

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 13, 2004, 07:32:28 ; Search time 344.522 Seconds
(without alignments)
1501.609 Million cell updates/sec

Title: US-09-724-409-7
Perfect score: 610
Sequence: 1 EVQLQSGDPLVKPGASVKI.....YCARIGYVWGHGTTITVSS 114

Scoring table:
BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 2947324 seqs, 2269024515 residues

Total number of hits satisfying chosen parameters: 5394648

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

-MODEL=frame+ p2n.model -DEV=xlh
-Q=/cgn2_1/USPTO.spool/US09724409/runat_12052004_081345_2745/app_query.fasta_1.526
-DB=Published Applications NA -QFMT=fastap -SUFFIX=p2n.rnpb -MINMATCH=0.1
-LOOPCL=0 -LOOPEXT=0 -UNITS=bite -START=1 -END=-1 -MATRIX=biosum62
-TRANS=human40.cdi -LIST=45 -MODE=LOCAL -OUTFMT=ptc -THR SCORE=ptc -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HAPSIZE=500 -MINLEN=0
-MAXLEN=2000000000 -USER=US09724409@cgn 1.1.580 @runat_12052004_081345_2745
-NCPU=6 -ICPU=3 -NO MAP -LARGQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100
-LONGLOG -DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Published Applications NA.*

ID	Query	Score	Match	Length	Description
1:	/cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*				
2:	/cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*				
3:	/cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*				
4:	/cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*				
5:	/cgn2_6/ptodata/2/pubpna/US07_NEW_PUB.seq.*				
6:	/cgn2_6/ptodata/2/pubpna/US07_PUBCOMB.seq.*				
7:	/cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*				
8:	/cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*				
9:	/cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq.*				
10:	/cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*				
11:	/cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*				
12:	/cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*				
13:	/cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*				
14:	/cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq.*				
15:	/cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*				
16:	/cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*				
17:	/cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*				
18:	/cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*				
19:	/cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*				

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	504	82.6	729	15	US-10-060-585-1
2	504	82.6	1467	13	US-10-060-585-3
3	504	82.6	1518	13	US-10-104-522-5
4	504	82.6	1518	15	US-10-060-585-5
5	504	82.6	1807	15	US-10-060-585-2
6	504	82.6	2090	13	US-10-104-522-6
7	504	82.6	2090	15	US-10-060-585-6
8	492.5	80.7	482	9	US-09-881-823-19
9	490	80.3	366	13	US-10-372-481-18
10	490	80.3	366	16	US-10-371-797-18
11	488	80.0	443	15	US-10-195-752-3
12	487	79.8	411	13	US-10-462-062-6
13	487	79.8	411	13	US-10-462-062-7
14	483.5	79.3	345	10	US-09-929-665-6
15	483.5	79.3	345	10	US-09-929-665-7
16	483.5	79.3	345	10	US-09-929-546-6
17	483.5	79.3	345	10	US-09-929-546-7
18	483.5	79.3	391	10	US-09-929-665-1
19	483.5	79.3	391	10	US-09-929-665-2
20	483.5	79.3	391	10	US-09-929-546-1
21	483.5	79.3	391	10	US-09-929-546-2
22	480.5	78.8	795	13	US-10-114-718A-47
23	480	78.7	449	15	US-10-195-752-1
24	477	78.2	405	13	US-10-389-417-59
25	477	78.2	405	13	US-10-452-357-68
26	477	78.2	405	16	US-10-389-155-59
27	473	77.5	360	16	US-10-372-719-4
28	473	77.5	360	16	US-10-372-719-22
29	469	76.9	916	9	US-09-813-659-29
30	469	76.9	916	16	US-10-283-610A-29
31	467	76.6	1803	9	US-09-480-236-2
32	465.5	76.3	414	13	US-10-389-417-71
33	465.5	76.3	414	13	US-10-452-357-84
34	465.5	76.3	414	16	US-10-389-155-71
35	465.5	76.3	1314	9	US-09-903-327A-5
36	465.5	76.3	1516	9	US-09-903-327A-1
37	464	76.1	372	13	US-10-007-790-1
38	463.5	76.0	402	9	US-09-982-107-13
39	463.5	76.0	717	8	US-08-940-544-3
40	463.5	76.0	717	15	US-10-075-947A-1
41	463.5	76.0	1176	15	US-10-075-947A-3
42	463.5	76.0	2059	9	US-09-807-721-1
43	462.5	75.8	409	9	US-09-956-206A-46
44	460.5	75.5	339	9	US-09-924-039-12
45	460.5	75.5	412	9	US-09-924-039-28

ALIGNMENTS

RESULT 1

US-10-060-585-1
; Sequence 1, Application US/10060585
; Publication No. US2003008290A1
; GENERAL INFORMATION:
; APPLICANT: Kingsman, Alan J.
; APPLICANT: Bebbington, Christopher R.
; APPLICANT: Carroll, Miles W.
; APPLICANT: Ellard, Fiona M.
; APPLICANT: Kingsman, Susan M.
; APPLICANT: Myers, Kevin A.
; TITLE OF INVENTION: VECTOR SYSTEM
; FILE REFERENCE: DVOU23.001CPI
; CURRENT APPLICATION NUMBER: US/10/060,585
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 09/445375
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: GB 9711579.4
; PRIOR FILING DATE: 1997-06-04
; PRIOR APPLICATION NUMBER: GB 9713150.2
; PRIOR FILING DATE: 1997-06-20
; PRIOR APPLICATION NUMBER: GB 9714230.1
; PRIOR FILING DATE: 1997-07-04

Sequence 1, Appli
Sequence 3, Appli
Sequence 5, Appli
Sequence 2, Appli
Sequence 6, Appli
Sequence 19, Appli
Sequence 18, Appli
Sequence 18, Appli
GENERAL INFORMA
Sequence 6, Appli
Sequence 7, Appli
Sequence 6, Appli
Sequence 7, Appli
Sequence 7, Appli
Sequence 1, Appli
Sequence 2, Appli
Sequence 1, Appli
Sequence 2, Appli
Sequence 2, Appli
Sequence 47, Appli
GENERAL INFORMA
Sequence 59, Appli
Sequence 68, Appli
Sequence 59, Appli
Sequence 4, Appli
Sequence 22, Appli
Sequence 29, Appli
Sequence 29, Appli
Sequence 71, Appli
Sequence 84, Appli
Sequence 71, Appli
Sequence 5, Appli
Sequence 1, Appli
Sequence 13, Appli
Sequence 3, Appli
Sequence 1, Appli
Sequence 3, Appli
Sequence 46, Appli
Sequence 12, Appli
Sequence 28, Appli

; PRIOR APPLICATION NUMBER: PCT/GB00/04317
 ; PRIOR FILING DATE: 2000-11-13
 ; PRIOR APPLICATION NUMBER: PCT/GB99/03859
 ; PRIOR FILING DATE: 1999-11-18
 ; NUMBER OF SEQ ID NOS: 27
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 1
 ; LENGTH: 729
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: 5T4 ScFv
 US-10-060-585-1

Alignment Scores:
 Pred. No.: 2,166-57 Length: 729
 Score: 504.00 Matches: 98
 Percent Similarity: 87.50% Conservative: 7
 Best Local Similarity: 81.67% Mismatches: 9
 Query Match: 82.62% Indels: 6
 DB: 15 Gaps: 1

US-09-724-409-7 (1-114) x US-10-060-585-1 (1-729)

QY 1 GluValGlnLeuGlnSerGlyProAspLeuValLysProGlyAlaSerValLysVal 20
 DB 1 GAGGTCCAGCTTCAGCAGTCTGGACCTGACCTGGTGAAGCCTGGGGCTTCAGTGAAGATA 60
 QY 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTrpValLysGlnSer 40
 DB 61 TCCTGCAAGGCTCTCGGTACTCATTCAGTGGCTACTCATGCTGCTGGTGAAGCAGAGC 120
 QY 41 HisGlyLysSerLeuGluTrpIleGlyArgValIleProAsnAsnGlyGlyThrSerTyr 60
 DB 121 CATGGAAGAGCCTTCAGTGGATGGACGTATTAATCTTAAACAATGGTGTACTCTCTAC 180
 QY 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
 DB 181 AACCAAGAAATTCAGGACCAAGCCATATTAATCTGTAGCAAGTCCATCCACACAGCCTAC 240
 QY 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrCysAlaArgGluGly 100
 DB 241 ATGGAGCTCCGAGCGTCAATCTGAGGACTCTGCGGTCTATTACTGTGCAAGATCTACT 300
 QY 101 IleTyr-----TTPTrpGlyHisGlyThrThrLeuThrValSerSer 114
 DB 301 ATGATTACGAACATGTTATGAGTACTCTGGGTCAAGTAACTCAGTCAACCGTCTCCTCA 360

RESULT 2

US-10-060-585-3
 ; Sequence 3, Application US/10060585
 ; Publication No. US20030083290A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kingsman, Alan J.
 ; APPLICANT: Bebbington, Christopher R.
 ; APPLICANT: Carroll, Miles W.
 ; APPLICANT: Ellard, Fiona M.
 ; APPLICANT: Kingsman, Susan M.
 ; APPLICANT: Myers, Kevin A.
 ; TITLE OF INVENTION: VECTOR SYSTEM
 ; FILE REFERENCE: DYO23.001CP1
 ; CURRENT APPLICATION NUMBER: US/10/060,585
 ; CURRENT FILING DATE: 2002-09-06
 ; PRIOR APPLICATION NUMBER: US 09/445375
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: GB 9711579.4
 ; PRIOR FILING DATE: 1997-06-04
 ; PRIOR APPLICATION NUMBER: GB 9713150.2
 ; PRIOR FILING DATE: 1997-06-20
 ; PRIOR APPLICATION NUMBER: GB 9714230.1
 ; PRIOR FILING DATE: 1997-07-04
 ; PRIOR APPLICATION NUMBER: PCT/GB00/04317
 ; PRIOR FILING DATE: 2000-11-13

; PRIOR APPLICATION NUMBER: PCT/GB99/03859
 ; PRIOR FILING DATE: 1999-11-18
 ; NUMBER OF SEQ ID NOS: 27
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 3
 ; LENGTH: 1467
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: B7-1.5T4.1
 US-10-060-585-3

Alignment Scores:
 Pred. No.: 5,546-57 Length: 1467
 Score: 504.00 Matches: 98
 Percent Similarity: 87.50% Conservative: 7
 Best Local Similarity: 81.67% Mismatches: 9
 Query Match: 82.62% Indels: 6
 DB: 15 Gaps: 1

US-09-724-409-7 (1-114) x US-10-060-585-3 (1-1467)

QY 1 GluValGlnLeuGlnSerGlyProAspLeuValLysProGlyAlaSerValLysVal 20
 DB 739 GAGGTCCAGCTTCAGCAGTCTGGACCTGACCTGGTGAAGCCTGGGGCTTCAGTGAAGATA 798
 QY 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTrpValLysGlnSer 40
 DB 799 TCCTGCAAGGCTCTCGGTACTCATTCAGTGGCTACTCATGCTGCTGGTGAAGCAGAGC 858
 QY 41 HisGlyLysSerLeuGluTrpIleGlyArgValIleProAsnAsnGlyGlyThrSerTyr 60
 DB 859 CATGGAAGAGCCTTCAGTGGATGGACGTATTAATCTTAAACAATGGTGTACTCTCTAC 918
 QY 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
 DB 919 AACCAAGAAATTCAGGACCAAGCCATATTAATCTGTAGCAAGTCCATCCACACAGCCTAC 978
 QY 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrCysAlaArgGluGly 100
 DB 979 ATGGAGCTCCGAGCGTCAATCTGAGGACTCTGCGGTCTATTACTGTGCAAGATCTACT 1038
 QY 101 IleTyr-----TTPTrpGlyHisGlyThrThrLeuThrValSerSer 114
 DB 1039 ATGATTACGAACATGTTATGAGTACTCTGGGTCAAGTAACTCAGTCAACCGTCTCCTCA 1098

RESULT 3

US-10-104-522-5
 ; Sequence 5, Application US/10104522
 ; Publication No. US20030018004A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kingsman, Susan M.
 ; APPLICANT: Bebbington, C.R.
 ; APPLICANT: Ellard, Fiona M.
 ; APPLICANT: Carroll, Miles W.
 ; TITLE OF INVENTION: VECTOR
 ; FILE REFERENCE: DYO23.001DV1
 ; CURRENT APPLICATION NUMBER: US/10/104,522
 ; CURRENT FILING DATE: 2002-03-22
 ; PRIOR APPLICATION NUMBER: 09/445375
 ; PRIOR FILING DATE: 2000-03-21
 ; PRIOR APPLICATION NUMBER: PCT/GB98/01627
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: GB9711579.4
 ; PRIOR FILING DATE: 1997-06-04
 ; PRIOR APPLICATION NUMBER: GB9713150.2
 ; PRIOR FILING DATE: 1997-06-20
 ; PRIOR APPLICATION NUMBER: GB9714230.1
 ; PRIOR FILING DATE: 1997-07-04
 ; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 5
 ; LENGTH: 1518

; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: pBSII/Leader/scFv/HGL.
 ; US-10-104-522-5

Alignment Scores: Length: 1518
 Pred. No.: 5.8e-57 Matches: 98
 Score: 504.00 Conservativeness: 7
 Percent Similarity: 87.50% Mismatches: 9
 Best Local Similarity: 81.67% Indels: 6
 Query Match: 82.62% Gaps: 1
 DB: 13

US-09-724-409-7 (1-114) x US-10-104-522-5 (1-1518)

QY 1 GluValGlnLeuGlnSerGlyProAspLeuVallysProGlyAlaSerValLysIle 20
 Db 787 GAGGTCAGCTTCAGCAGCTGAGCCTGAGCTGGTGAAGCTGGGGCTTCAGTGAAGATA 846
 QY 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTrpValLysGlnSer 40
 Db 847 TCCTGCAAGGCTTCCTGTTACTCATTCTGCTGCTACTTACATGCTGGTGTGAAGCAGCAGC 906
 QY 41 HisGlyLysSerLeuGluTrpIleGlyArgValIleProAsnAsnGlyGlyThrSerTyr 60
 Db 907 CATGGAAGAGCCTTGAGTGGATTGGAGCTGATTAACTCTAACATGCTGTACTCTCTAC 966
 QY 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
 Db 967 AACCAAGAAATTCAGGCAAGGCCATATTAACTAGTAGCAAGTCATCCACAGCCTAC 1026
 QY 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrTyrCysAlaArgGluGly 100
 Db 1027 ATGAGCTCCGACGCTGACATCTGAGACTCTCGGCTCTATTACTGTCAAGATCTACT 1086
 QY 101 IleTyr-----TrrTpGlyHisGlyThrLeuThrValSerSer 114
 Db 1087 ATGATTACGAACATATGATTGAGTACTGGGGTCAAGTAACTTCACTCAGTCACCGTCTCTTCA 1146

RESULT 4

; Sequence 5, Application US/10060585
 ; Publication No. US20030083290A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kingsman, Alan J.
 ; APPLICANT: Bebbington, Christopher R.
 ; APPLICANT: Carroll, Miles W.
 ; APPLICANT: Ellard, Fiona M.
 ; APPLICANT: Kingsman, Susan M.
 ; APPLICANT: Myers, Kevin A.
 ; TITLE OF INVENTION: VECTOR SYSTEM
 ; FILE REFERENCE: DYOU23.001CPI
 ; CURRENT APPLICATION NUMBER: US/10/060,585
 ; CURRENT FILING DATE: 2002-09-06
 ; PRIOR APPLICATION NUMBER: US 09/445375
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: GB 9711579.4
 ; PRIOR FILING DATE: 1997-06-04
 ; PRIOR APPLICATION NUMBER: GB 9714230.1
 ; PRIOR FILING DATE: 1997-07-04
 ; PRIOR APPLICATION NUMBER: PCT/GB00/04317
 ; PRIOR FILING DATE: 2000-11-13
 ; PRIOR APPLICATION NUMBER: PCT/GB99/03859
 ; PRIOR FILING DATE: 1999-11-18
 ; NUMBER OF SEQ ID NOS: 27
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 5

LENGTH: 1518

TYPE: DNA

ORGANISM: Artificial Sequence

; FEATURE:
 ; OTHER INFORMATION: B7 link scFv sequence
 ; US-10-060-585-5

Alignment Scores: Length: 1518
 Pred. No.: 5.8e-57 Matches: 98
 Score: 504.00 Conservativeness: 7
 Percent Similarity: 87.50% Mismatches: 9
 Best Local Similarity: 81.67% Indels: 6
 Query Match: 82.62% Gaps: 1
 DB: 15

US-09-724-409-7 (1-114) x US-10-060-585-5 (1-1518)

QY 1 GluValGlnLeuGlnSerGlyProAspLeuVallysProGlyAlaSerValLysIle 20
 Db 787 GAGGTCAGCTTCAGCAGCTGAGCCTGAGCTGGTGAAGCTGGGGCTTCAGTGAAGATA 846
 QY 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTrpValLysGlnSer 40
 Db 847 TCCTGCAAGGCTTCCTGTTACTCATTCTGCTGCTACTTACATGCTGGTGTGAAGCAGCAGC 906
 QY 41 HisGlyLysSerLeuGluTrpIleGlyArgValIleProAsnAsnGlyGlyThrSerTyr 60
 Db 907 CATGGAAGAGCCTTGAGTGGATTGGAGCTGATTAACTCTAACATGCTGTACTCTCTAC 966
 QY 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
 Db 967 AACCAAGAAATTCAGGCAAGGCCATATTAACTAGTAGCAAGTCATCCACAGCCTAC 1026
 QY 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrTyrCysAlaArgGluGly 100
 Db 1027 ATGAGCTCCGACGCTGACATCTGAGACTCTCGGCTCTATTACTGTCAAGATCTACT 1086
 QY 101 IleTyr-----TrrTpGlyHisGlyThrLeuThrValSerSer 114
 Db 1087 ATGATTACGAACATATGATTGAGTACTGGGGTCAAGTAACTTCACTCAGTCACCGTCTCTTCA 1146

RESULT 5

; Sequence 2, Application US/10060585
 ; Publication No. US20030083290A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kingsman, Alan J.
 ; APPLICANT: Bebbington, Christopher R.
 ; APPLICANT: Carroll, Miles W.
 ; APPLICANT: Ellard, Fiona M.
 ; APPLICANT: Kingsman, Susan M.
 ; APPLICANT: Myers, Kevin A.
 ; TITLE OF INVENTION: VECTOR SYSTEM
 ; FILE REFERENCE: DYOU23.001CPI
 ; CURRENT APPLICATION NUMBER: US/10/060,585
 ; CURRENT FILING DATE: 2002-09-06
 ; PRIOR APPLICATION NUMBER: US 09/445375
 ; PRIOR FILING DATE: 1998-06-04
 ; PRIOR APPLICATION NUMBER: GB 9711579.4
 ; PRIOR FILING DATE: 1997-06-04
 ; PRIOR APPLICATION NUMBER: GB 9714230.1
 ; PRIOR FILING DATE: 1997-06-04
 ; PRIOR APPLICATION NUMBER: PCT/GB00/04317
 ; PRIOR FILING DATE: 2000-11-13
 ; PRIOR APPLICATION NUMBER: PCT/GB99/03859
 ; PRIOR FILING DATE: 1999-11-18
 ; NUMBER OF SEQ ID NOS: 27
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 2
 ; LENGTH: 1807
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: 5T4Sabl

US-10-060-585-2

Alignment Scores:
Pred. No.: 7,33e-57 Length: 1807
Score: 504.00 Matches: 98
Percent Similarity: 87.50% Conservative: 7
Best Local Similarity: 81.67% Mismatches: 9
Query Match: 82.62% Indels: 6
DB: 15 Gaps: 1

US-09-724-409-7 (1-114) x US-10-060-585-2 (1-1807)

QY 1 GluValGlnLeuGlnSerGlyProAspLeuVallyProGlyAlaSerVallySile 20
DB 69 GAGGTCCAGCTTCAGCAGCTTCGACCTGACCTGGTGGTGAAGCCCTGGGGCTTCAGTGAAGATA 128
QY 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTrpVallyGlnSer 40
DB 129 TCCTGCAAGGCTTCGGTTACTCATCTGCTACTGCTGCTACTCATGCTGGTGAAGCAGAGC 188
QY 41 HisGlyLysSerLeuGluTrpIleGlyArgValIleProAsnAsnGlyGlyThrSerTyr 60
DB 189 CATGGAAGAGCCTTGAGTGGATTGGACGTATTATCTTAACATGGTGTACTCTCTAC 248
QY 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
DB 249 AACCAAGAAATTCAGGACAGGCCATATTAACTGTAGACAAGTCAATCCACACAGCCTAC 308
QY 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrCysAlaArgGluGly 100
DB 309 ATGGAGCTCCGAGCCTGCATCTGAGGACTCTGGCGTCTATTACTGTGCAAGATCTACT 368
QY 101 IleTyr-----TrrpTrpGlyHisGlyThrThrLeuThrValSerSer 114
DB 369 ATGATTACGAATCTATTGACTGACTGGGTCAAGTAACTCAGTCAACCGTCTCTTCA 428

RESULT 6

US-10-104-522-6
; Sequence 6, Application US/10104522
; Publication No. US20030018004A1
; GENERAL INFORMATION:
; APPLICANT: Kingman, Susan M.
; APPLICANT: Bebbington, C.R.
; APPLICANT: Ellard, Fiona M.
; APPLICANT: Carroll, Miles W.
; TITLE OF INVENTION: VECTOR
; FILE REFERENCE: DYOU23.001DVI
; CURRENT APPLICATION NUMBER: US/10/104,522
; CURRENT FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 09/445375
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: PCT/GB98/01627
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: GB9711579.4
; PRIOR FILING DATE: 1997-06-04
; PRIOR APPLICATION NUMBER: GB9713150.2
; PRIOR FILING DATE: 1997-06-20
; PRIOR APPLICATION NUMBER: GB9714230.1
; PRIOR FILING DATE: 1997-07-04
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 2090
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 5T4 scFv-human IgE fusion construct.
US-10-104-522-6

Alignment Scores:
Pred. No.: 8,91e-57 Length: 2090
Score: 504.00 Matches: 98
Percent Similarity: 87.50% Conservative: 7

Best Local Similarity: 81.67% Mismatches: 9
Query Match: 82.62% Indels: 6
DB: 13 Gaps: 1

US-09-724-409-7 (1-114) x US-10-104-522-6 (1-2090)

QY 1 GluValGlnLeuGlnSerGlyProAspLeuVallyProGlyAlaSerVallySile 20
DB 69 GAGGTCCAGCTTCAGCAGCTTCGACCTGACCTGGTGAAGCCCTGGGGCTTCAGTGAAGATA 128
QY 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTrpVallyGlnSer 40
DB 129 TCCTGCAAGGCTTCGGTTACTCATCTGCTACTGCTGCTACTCATGCTGGTGAAGCAGAGC 188
QY 41 HisGlyLysSerLeuGluTrpIleGlyArgValIleProAsnAsnGlyGlyThrSerTyr 60
DB 189 CATGGAAGAGCCTTGAGTGGATTGGACGTATTATCTTAACATGGTGTACTCTCTAC 248
QY 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
DB 249 AACCAAGAAATTCAGGACAGGCCATATTAACTGTAGACAAGTCAATCCACACAGCCTAC 308
QY 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrCysAlaArgGluGly 100
DB 309 ATGGAGCTCCGAGCCTGCATCTGAGGACTCTGGCGTCTATTACTGTGCAAGATCTACT 368
QY 101 IleTyr-----TrrpTrpGlyHisGlyThrThrLeuThrValSerSer 114
DB 369 ATGATTACGAATCTATTGACTGACTGGGTCAAGTAACTCAGTCAACCGTCTCTTCA 428

RESULT 7

US-10-060-585-6
; Sequence 6, Application US/10060585
; Publication No. US20030083290A1
; GENERAL INFORMATION:
; APPLICANT: Kingman, Alan J.
; APPLICANT: Bebbington, Christopher R.
; APPLICANT: Carroll, Miles W.
; APPLICANT: Ellard, Fiona M.
; APPLICANT: Kingman, Susan M.
; APPLICANT: Myers, Kevin A.
; TITLE OF INVENTION: VECTOR SYSTEM
; FILE REFERENCE: DYOU23.001CPI
; CURRENT APPLICATION NUMBER: US/10/060,585
; CURRENT FILING DATE: 2002-09-06
; PRIOR APPLICATION NUMBER: US 09/445375
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: GB 9711579.4
; PRIOR FILING DATE: 1997-06-04
; PRIOR APPLICATION NUMBER: GB 9713150.2
; PRIOR FILING DATE: 1997-06-20
; PRIOR APPLICATION NUMBER: GB 9714230.1
; PRIOR FILING DATE: 1997-07-04
; PRIOR APPLICATION NUMBER: PCT/GB00/04317
; PRIOR FILING DATE: 2000-11-13
; PRIOR APPLICATION NUMBER: PCT/GB99/03859
; PRIOR FILING DATE: 1999-11-18
; NUMBER OF SEQ ID NOS: 27
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 2090
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: 5T4 ScFv - human IgE fusion
US-10-060-585-6

Alignment Scores:
Pred. No.: 8,91e-57 Length: 2090
Score: 504.00 Matches: 98
Percent Similarity: 87.50% Conservative: 7
Best Local Similarity: 81.67% Mismatches: 9
Query Match: 82.62% Indels: 6

Db 241 ATGGAGCTCCGAGCCTGACATCTGAGGACTCTGGCTCTATTACTGTTCAGAGTGGAC 300
QY 101 Ile-----TyrTrp-----TTPGlyHisGlyThrThrLeuThrVal 112
Db 301 TATGATGACTACGGGTACTGGTTCTTCGATGTCTGGGGCGGAGGACCAACGGTCCACCGTC 360
QY 113 SerSer 114
Db 361 TCCTCA 366
RESULT 10
US-10-371-797-18
; Sequence 18, Application US/10371797
; Publication No. US20040001828A1
; GENERAL INFORMATION:
; APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
; APPLICANT: TUSCANO, Joseph
; APPLICANT: TEDDER, Thomas
; TITLE OF INVENTION: TREATMENT METHODS USING ANTI-CD22
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 39754-0951
; CURRENT APPLICATION NUMBER: US/10/371,797
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 60/420,472
; PRIOR FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: US 60/359,419
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 366
; TYPE: DNA
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 173
; OTHER INFORMATION: n=1
US-10-371-797-18
Alignment Scores:
Pred. No.: 6,28e-56 Length: 366
Score: 490.00 Matches: 95
Percent Similarity: 84.43% Conservative: 8
Best Local Similarity: 77.87% Mismatches: 11
Query Match: 80.33% Indels: 8
DB: 16 Gaps: 2
US-09-724-409-7 (1-114) x US-10-371-797-18 (1-366)
QY 1 GluValGlnLeuGlnSerGlyProAspLeuValLysProGlyAlaSerValLysIle 20
Db 1 GAGGTCCAGCTGCAGGAGTCTGACCTGACCTGGTGAAGCTTGGGCTTCAGTGAAGATA 60
QY 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTrpIleHisTrpValLysGlnSer 40
Db 61 TCCTGTAAGGCTTCTGGTACTCATCTCATTTGGTGTATTACATGACATGGCTGGTGAAGCAGAGC 120
QY 41 HisGlyLysSerLeuGluTrpIleGlyArgValIleProAsnAsnGlyGlyThrSerTyr 60
Db 121 CATGGAAGAGCTTGTAGTGAGTGTGGAGTGTATTACCTTAACACTGCTGCTCTACTAC 180
QY 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
Db 181 AACACAGAGTTCAAGGACAAAGGCATATTAACTGTAGACAAAGTCATCCAAACAGACCTAT 240
QY 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrCysAlaArgGluGly 100
Db 241 ATGGAGCTCCGAGCCTGACATCTGAGGACTCTGGGCTCTATTACTGTTCAAGAGTGGAC 300
QY 101 Ile-----TyrTrp-----TTPGlyHisGlyThrThrLeuThrVal 112
Db 301 TATGATGACTACGGGTACTGGTTCTTCGATGTCTGGGGCGGAGGACCAACGGTCCACCGTC 360

QY 113 SerSer 114
Db 361 TCCTCA 366
RESULT 11
US-10-195-752-3
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, KAZUYASU
; APPLICANT: KOIKE, MASAMICHI
; APPLICANT: SHITARA, KENYA
; APPLICANT: HANAI, NOBUO
; APPLICANT: KUMAGA, YOSHIIISA
; APPLICANT: HASEGAWA, MAMORU
; TITLE OF INVENTION: HUMANIZED ANTIBODIES
; NUMBER OF SEQUENCES: 113
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/195,752
; FILING DATE: 18-Jul-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/393,385B
; FILING DATE: 27-JUN-96
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)816-4000
; TELEFAX: (703)816-4100
; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 3"
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-195-752-3
Alignment Scores:
Pred. No.: 1.5e-55 Length: 443
Score: 488.00 Matches: 94
Percent Similarity: 85.59% Conservative: 7
Best Local Similarity: 79.66% Mismatches: 13
Query Match: 80.00% Indels: 4
DB: 15 Gaps: 1
US-09-724-409-7 (1-114) x US-10-195-752-3 (1-443)
QY 1 GluValGlnLeuGlnSerGlyProAspLeuValLysProGlyAlaSerValLysIle 20
Db 90 GAGGTCCAGCTGCAGGAGTCTGACCTGAGCTGGTGAAGCTTGGGCTTCAGTGAAGATA 149
QY 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTrpIleHisTrpValLysGlnSer 40
Db 150 TCCTGCAAGGCTTCTGGATACACATTCATGACTACATGAGCTGGTGGTGAAGCAGAGC 209
QY 41 HisGlyLysSerLeuGluTrpIleGlyArgValIleProAsnAsnGlyGlyThrSerTyr 60
Db 210 CATGGAAGAGCTTGTAGTGAGTGTGGATATTATTATCTTAACAACTGGTGGTCTACTAC 269
QY 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
Db 270 AACACAGAGTTCAAGGACAAAGGCATTCATGACTGTAGACAAAGTCCTCCAGCAGCCTAC 329
QY 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrCysAlaArgGluGly 100
Db 330 ATGGAGCTCCAGGCTGACATCTGAGGACTCTGGAGCTCTATTACTGTCAAGAGCGGG 389
QY 101 IleTyrTrp-----TTPGlyHisGlyThrThrLeuThrValSerSer 114
DB: 15 Gaps: 1

Db 390 AGGTATTACTACGCTGGGACTGGGCGAAGGAGCTCTGGTCACTGTCCTGTGCA 443

RESULT 12

US-10-462-062-6
; Sequence 6, Application US/10462062
; Publication No. US20040044187A1
; GENERAL INFORMATION:
; APPLICANT: SATO, KOH
; APPLICANT: ADACHI, HIDEKI
; TITLE OF INVENTION: HUMANIZED ANTIBODIES AGAINST HUMAN TISSUE FACTOR (TF)
; TITLE OF INVENTION: AND PROCESS OF PRODUCTION OF THE HUMANIZED ANTIBODIES
; FILE REFERENCE: 053456-0360
; CURRENT APPLICATION NUMBER: US/10/462,062
; CURRENT FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: PCT/JP99/01768
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: JP 10-91850
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 183
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 411
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleotide sequence
; OTHER INFORMATION: coding for H chain V region of anti-TF mouse monoclonal
; OTHER INFORMATION: antibody ATR-2
; NAME/KEY: CDS
; LOCATION: (1)..(411)
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: (1)..(57)
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: (58)..(411)
US-10-462-062-6

Alignment Scores:
Pred. No.: 1.84e-55 Length: 411
Score: 487.00 Matches: 95
Percent Similarity: 87.29% Conservative: 8
Best Local Similarity: 80.51% Mismatches: 11
Query Match: 79.84% Indels: 4
DB: 13 Gaps: 2

US-09-724-409-7 (1-114) x US-10-462-062-6 (1-411)

QY	1	GluValGlnLeuGlnSerGlyProAspLeuValLysProGlyAlaSerValLysile	20
Db	58	GAGATCCAGCTGCAGCAGCTGAGCTGGTGAAGCCCTGGGGCTTCAGTGAAGTA	117
QY	21	SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTyrValLysGlnSer	40
Db	118	TCCTGCAAGGCTTCGTGGTACTCATTCAGTCAACATGCTACTGCTGGTGAAGCAGAGC	177
QY	41	HisGlyLysSerLeuGluTrpIleGlyArgValIleProAsnGlnGlyThrSerTyr	60
Db	178	CATGAAAGAGCCTTGAGTGGATTGGATATATTGATCTTCAATGGTGGTACTATCTAC	237
QY	61	AsnGlnLysPheLysGlyAlaIleLeuThrValAspLysSerSerThrAlaTyr	80
Db	238	ACCAGAAGTTCAAGGCGAAGCCACATTGCTGTGACAGTCTCCAGCAGACGCTTC	297
QY	81	MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrTyrCysAlaArg	98
Db	298	ATGCATCTCAACAGCCTGACATCTGAGGACTCTGCAGTCTATTACTGTGCAAGAGGG	357
QY	99	GluGlyIleTyr-----TrpTrpGlyHisGlyThrLeuThrValSerSer	114
Db	358	GAAGGGTACTACTTTGACTACTGGGGCCAAAGCACCACCTCTCACAGTCTCTCTCA	411

RESULT 14

US-09-929-665-6

RESULT 13

US-10-462-062-7
; Sequence 7, Application US/10462062
; Publication No. US20040044187A1
; GENERAL INFORMATION:
; APPLICANT: SATO, KOH
; APPLICANT: ADACHI, HIDEKI
; TITLE OF INVENTION: HUMANIZED ANTIBODIES AGAINST HUMAN TISSUE FACTOR (TF)
; TITLE OF INVENTION: AND PROCESS OF PRODUCTION OF THE HUMANIZED ANTIBODIES
; FILE REFERENCE: 053456-0360
; CURRENT APPLICATION NUMBER: US/10/462,062
; CURRENT FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: PCT/JP99/01768
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: JP 10-91850
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 183
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 411
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Nucleotide sequence
; OTHER INFORMATION: coding for H chain V region of anti-TF mouse monoclonal
; OTHER INFORMATION: antibody ATR-3
; NAME/KEY: CDS
; LOCATION: (1)..(411)
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: (1)..(57)
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: (58)..(411)
US-10-462-062-7

Alignment Scores:
Pred. No.: 1.84e-55 Length: 411
Score: 487.00 Matches: 95
Percent Similarity: 87.29% Conservative: 8
Best Local Similarity: 80.51% Mismatches: 11
Query Match: 79.84% Indels: 4
DB: 13 Gaps: 2

US-09-724-409-7 (1-114) x US-10-462-062-7 (1-411)

QY	1	GluValGlnLeuGlnSerGlyProAspLeuValLysProGlyAlaSerValLysile	20
Db	58	GAGATCCAGCTGCAGCAGCTGAGCTGGTGAAGCCCTGGGGCTTCAGTGAAGTA	117
QY	21	SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTyrValLysGlnSer	40
Db	118	TCCTGCAAGGCTTCGTGGTACTCATTCAGTCAACATGCTACTGCTGGTGAAGCAGAGC	177
QY	41	HisGlyLysSerLeuGluTrpIleGlyArgValIleProAsnGlnGlyThrSerTyr	60
Db	178	CATGAAAGAGCCTTGAGTGGATTGGATATATTGATCTTCAATGGTGGTACTATCTAC	237
QY	61	AsnGlnLysPheLysGlyAlaIleLeuThrValAspLysSerSerThrAlaTyr	80
Db	238	ACCAGAAGTTCAAGGCGAAGCCACATTGCTGTGACAGTCTCCAGCAGACGCTTC	297
QY	81	MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrTyrCysAlaArg	98
Db	298	ATGCATCTCAACAGCCTGACATCTGAGGACTCTGCAGTCTATTACTGTGCAAGAGGG	357
QY	99	GluGlyIleTyr-----TrpTrpGlyHisGlyThrLeuThrValSerSer	114
Db	358	GAAGGGTACTACTTTGACTACTGGGGCCAAAGCACCACCTCTCACAGTCTCTCTCA	411

; Sequence 6, Application US/09929665
; Publication No. US20030003101A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil H.
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: Lois M. Kwasiogoch: BZL 242/024
; CURRENT APPLICATION NUMBER: US/09/929,665
; CURRENT FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 09/357,704
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: US 08/838,682
; PRIOR FILING DATE: 1997-04-09
; PRIOR APPLICATION NUMBER: US 60/016,976
; PRIOR FILING DATE: 1996-05-06
; PRIOR APPLICATION NUMBER: US 60/022,125
; PRIOR FILING DATE: 1996-07-18
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 6
; LENGTH: 345
; TYPE: DNA
; ORGANISM: Mus sp.
US-09-929-665-6

Alignment Scores:
Pred. No.: 4.27e-55 Length: 345
Score: 483.50 Matches: 93
Percent Similarity: 87.83% Conservative: 8
Best Local Similarity: 80.87% Mismatches: 13
Query Match: 79.28% Indels: 1
DB: 10 Gaps: 1
US-09-724-409-7 (1-114) x US-09-929-665-6 (1-345)
Qy 1 GluValGlnLeuGlnSerGlyProAspLeuVallySerProGlyAlaSerVallyIle 20
Db 1 GAGGTCCAGCTCCAGCTCAACAGCTCTGGACTGAACCTGGTGAAGCCTGGGACTTCAGTGAGGATA 60
Qy 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTrpVallyGlnSer 40
Db 61 TCCTGCAAGACTTCCTGGATACACATTCCTGAATATACCATACATCTGGTGAAGCAGC 120
Qy 41 HisGlyLysSerLeuGluTrpIleGlyArgValIleProAsnAnsglyGlyThrSerTyr 60
Db 121 CATGGAAGAGCCTTGAGTGGATTGGAAACATCAATCTTAACAATGGTGGTACCACTAC 180
Qy 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
Db 181 AATCAGAGTTCGAGACCAAGCCACATTCGATGTAGACAGTCTCCAGTACAGCCTAC 240
Qy 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrCysAlaArgGluGly 100
Db 241 ATGGAGCTCCGAGCTAACATCTCAGGATTCTGCAGTCTATTATTGTGCGAGCTGGTGG 300
Qy 101 IleTyr---TrpTrpGlyHisGlyThrLeuThrValSerSer 114
Db 301 AACTTTGACTACTGGGGCCAGGACCACCTCTCACAGTCTCCTCA 345

RESULT 15

US-09-929-665-7/c
; Sequence 7, Application US/09929665
; Publication No. US20030003101A1
; GENERAL INFORMATION:
; APPLICANT: Bander, Neil H.
; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF PROSTATE CANCER
; FILE REFERENCE: Lois M. Kwasiogoch: BZL 242/024
; CURRENT APPLICATION NUMBER: US/09/929,665
; CURRENT FILING DATE: 2001-08-13
; PRIOR APPLICATION NUMBER: 09/357,704
; PRIOR FILING DATE: 1999-07-20
; PRIOR APPLICATION NUMBER: US 08/838,682
; PRIOR FILING DATE: 1997-04-09
; PRIOR APPLICATION NUMBER: US 60/016,976

; PRIOR FILING DATE: 1996-05-06
; PRIOR APPLICATION NUMBER: US 60/022,125
; PRIOR FILING DATE: 1996-07-18
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: Patent in version 3.0
; SEQ ID NO 7
; LENGTH: 345
; TYPE: DNA
; ORGANISM: Mus sp.
US-09-929-665-7

Alignment Scores:
Pred. No.: 4.27e-55 Length: 345
Score: 483.50 Matches: 93
Percent Similarity: 87.83% Conservative: 8
Best Local Similarity: 80.87% Mismatches: 13
Query Match: 79.26% Indels: 1
DB: 10 Gaps: 1
US-09-724-409-7 (1-114) x US-09-929-665-7 (1-345)

Qy 1 GluValGlnLeuGlnSerGlyProAspLeuVallySerProGlyAlaSerVallyIle 20
Db 345 GAGGTCCAGCTCCAGCTCAACAGCTCTGGACTGAACCTGGTGAAGCCTGGGACTTCAGTGAGGATA 286
Qy 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTrpVallyGlnSer 40
Db 285 TCCTGCAAGACTTCCTGGATACACATTCCTGAATATACCATACATCTGGTGAAGCAGC 226
Qy 41 HisGlyLysSerLeuGluTrpIleGlyArgValIleProAsnAnsglyGlyThrSerTyr 60
Db 225 CATGGAAGAGCCTTGAGTGGATTGGAAACATCAATCTTAACAATGGTGGTACCACTAC 166
Qy 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
Db 165 AATCAGAGTTCGAGACCAAGCCACATTCGATGTAGACAGTCTCCAGTACAGCCTAC 106
Qy 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrCysAlaArgGluGly 100
Db 105 ATGGAGCTCCGAGCTAACATCTCAGGATTCTGCAGTCTATTATTGTGCGAGCTGGTGG 46
Qy 101 IleTyr---TrpTrpGlyHisGlyThrLeuThrValSerSer 114
Db 45 AACTTTGACTACTGGGGCCAGGACCACCTCTCACAGTCTCCTCA 1

Search completed: May 13, 2004, 09:44:34
Job time : 346.522 secs

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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 13, 2004, 02:58:22 ; Search time 59.5221 Seconds

(without alignments)
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Title: US-09-724-409-7

Perfect score: 610

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZ=500 -MINLEN=0 -MAXLEN=2000000000
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-NO MMAP -LARGEQUERY -NEG SCORES=0 -WAIT -DSPBLOCK=100 -LONGLOG
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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : Issued Patents NA.*
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3: /cg2 6/ptodata/2/ina/6A.COMB.seq.*
4: /cg2 6/ptodata/2/ina/6B.COMB.seq.*
5: /cg2 6/ptodata/2/ina/PCTUS.COMB.seq.*
6: /cg2 6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	496	81.3	405	1	US-08-436-717-26
3	488	80.0	443	2	US-08-116-778E-40
4	488	80.0	443	2	US-08-438-562-40
5	488	80.0	443	2	US-08-483-528B-3
6	488	80.0	443	3	US-08-673-799C-1
7	488	80.0	443	3	US-09-393-385B-3
8	487.5	79.9	906	2	US-08-656-906-24
9	487.5	79.9	906	3	US-09-217-847-24
10	487	79.8	411	4	US-09-647-468-6
11	487	79.8	411	4	US-09-647-468-7
12	483.5	79.3	345	3	US-08-838-682-6

c 13	483.5	79.3	345	3	US-08-838-682-7	Sequence 7, Appli
c 14	483.5	79.3	345	3	US-08-895-914-6	Sequence 6, Appli
c 15	483.5	79.3	345	3	US-08-895-914-7	Sequence 7, Appli
c 16	483.5	79.3	345	3	US-09-357-710A-6	Sequence 6, Appli
c 17	483.5	79.3	345	3	US-09-357-710A-7	Sequence 7, Appli
c 18	483.5	79.3	345	4	US-09-357-707-6	Sequence 6, Appli
c 19	483.5	79.3	345	4	US-09-357-707-7	Sequence 7, Appli
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c 21	483.5	79.3	391	3	US-08-838-682-2	Sequence 2, Appli
c 22	483.5	79.3	391	3	US-08-895-914-1	Sequence 1, Appli
c 23	483.5	79.3	391	3	US-08-895-914-2	Sequence 2, Appli
c 24	483.5	79.3	391	3	US-09-357-710A-1	Sequence 1, Appli
c 25	483.5	79.3	391	3	US-09-357-710A-2	Sequence 2, Appli
c 26	483.5	79.3	391	4	US-09-357-707-1	Sequence 1, Appli
c 27	483.5	79.3	391	4	US-09-357-707-2	Sequence 2, Appli
c 28	482.5	79.1	729	1	US-08-230-843-3	Sequence 3, Appli
c 29	482.5	79.1	729	2	US-08-636-936-3	Sequence 3, Appli
c 30	480	78.7	449	2	US-08-116-778E-38	Sequence 38, Appl
c 31	480	78.7	449	2	US-08-438-562-38	Sequence 1, Appli
c 32	480	78.7	449	2	US-08-483-528B-1	Sequence 1, Appli
c 33	480	78.7	449	3	US-08-673-799C-1	Sequence 1, Appli
c 34	480	78.7	449	4	US-09-393-385B-1	Sequence 1, Appli
c 35	479	78.5	10785	3	US-08-444-644-27	Sequence 27, Appl
c 36	479	78.5	10785	4	US-08-232-246A-27	Sequence 27, Appl
c 37	479	78.5	10844	3	US-08-444-644-41	Sequence 41, Appl
c 38	479	78.5	10844	4	US-08-232-246A-41	Sequence 41, Appl
c 39	479	78.5	11528	3	US-08-444-644-18	Sequence 18, Appl
c 40	479	78.5	11528	4	US-08-232-246A-18	Sequence 18, Appl
c 41	479	78.5	12127	3	US-08-444-644-32	Sequence 32, Appl
c 42	479	78.5	12127	4	US-08-232-246A-32	Sequence 32, Appl
c 43	478	78.4	354	1	US-08-491-845-5	Sequence 5, Appli
c 44	477	78.2	405	1	US-07-634-278-68	Sequence 68, Appl
c 45	477	78.2	405	1	US-08-477-728-68	Sequence 68, Appl

ALIGNMENTS

RESULT 1
US-08-137-117D-26
; Sequence 26, Application US/08137117D
; Patent No. 5795965
; GENERAL INFORMATION:
; APPLICANT: TSUCHIYA, Masayuki
; APPLICANT: SATO, Koh
; APPLICANT: BENDIG, Mary
; APPLICANT: JONES, Steven
; APPLICANT: SALDANA, Jose
; TITLE OF INVENTION: RESHAPED HUMAN ANTIBODY TO HUMAN
; TITLE OF INVENTION: INTERLEUKIN-6 RECEPTOR
; NUMBER OF SEQUENCES: 158
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20007-5109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION NUMBER: US/08137,117D
; FILING DATE: 20-DEC-1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/JP92/00544
; FILING DATE: 24-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 4-32084
; FILING DATE: 19-FEB-1992
; PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 3-95476
FILING DATE: 25-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: WEGNER, Harold C.
REGISTRATION NUMBER: 25,258
REFERENCE/DOCKET NUMBER: 53466/126/AAOK
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 405 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 1..405
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 1..405
US-08-137-117D-26

Alignment Scores:
Pred. No.: 6,16e-53 Length: 405
Score: 496.00 Matches: 95
Percent Similarity: 87.93% Conservative: 7
Best Local Similarity: 81.90% Mismatches: 12
Query Match: 81.31% Indels: 2
DB: 1 Gaps: 1

US-09-724-409-7 (1-114) x US-08-137-117D-26 (1-405)

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QY 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
Db 238 AACCCAGAAATTCAGGGCAAGGCCACATTCATCTGTGTGACAAATCTCCAGCAGCCTAC 297
QY 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrCysAlaArgGluGly 100
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QY 101 -----IleTyrTrpTrpGlyHisGlyThrThrLeuThrValSerSer 114
Db 358 AACCGCTTTCCTACTGGGGCCAGGAGGACTCTGCTCAGCTCTCTGCA 405

RESULT 2

US-08-436-717-26
Sequence 26, Application US/08436717
Patent No. 5817790
GENERAL INFORMATION:
APPLICANT: TSUCHIYA, Masayuki
APPLICANT: SATO, Koh
APPLICANT: BENDIG, Mary
APPLICANT: JONES, Steven
APPLICANT: SALDANHA, Jose
TITLE OF INVENTION: RESHAPED HUMAN ANTIBODY TO HUMAN
INTERLEUKIN-6 RECEPTOR
NUMBER OF SEQUENCES: 158
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner

STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/436,717
FILING DATE:

CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/137,117
FILING DATE: 20-DEC-1993
APPLICATION NUMBER: WO PCT/JP92/00544
FILING DATE: 24-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 4-32084
FILING DATE: 19-FEB-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 3-95476
FILING DATE: 25-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: WEGNER, Harold C.
REGISTRATION NUMBER: 25,258
REFERENCE/DOCKET NUMBER: 53466/126/AAOK
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 405 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: 1..405
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 1..405
US-08-436-717-26

Alignment Scores:
Pred. No.: 6,16e-53 Length: 405
Score: 496.00 Matches: 95
Percent Similarity: 87.93% Conservative: 7
Best Local Similarity: 81.90% Mismatches: 12
Query Match: 81.31% Indels: 2
DB: 1 Gaps: 1

US-09-724-409-7 (1-114) x US-08-436-717-26 (1-405)

QY 1 GluValGlnLeuGlnSerGlyProAspLeuValLysProGlyAlaSerVallylsile 20
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QY 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTrpVallylsGlnSer 40
Db 118 TCCTGCAAGGCTTCTGGTTACTCAITTCATCTAGCTATTATCATACACTGGGTGAAGCAGAC 177
QY 41 HisGlyLysSerLeuGlnTrpIleGlyArgValIleProAsnAsnGlyGlyThrSerTyr 60
Db 178 CATGGAAGAGCCTGAGTGGATGGATATATGATCCCTTCATGATGGTACTAGCTAC 237
QY 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
Db 238 AACCCAGAAATTCAGGGCAAGGCCACATTCATCTGTGTGACAAATCTCCAGCAGCCTAC 297

US-09-734-409-7 (1-114) x US-08-438-562-40 (1-443)

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Qy 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrIleHisTrpValLysGlnSer 40
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Qy 41 HisGlyLysSerLeuGluTrpIleGlyArgValLysProAsnAsnGlyThrSerTyr 60
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Qy 61 AsnGlnLysPheLysGlyAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
Db 270 AACCAAGAGTTCAGAGCAGGACCATGCTGAGACAGTCTCTCAGACAGCCTAC 329
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Db 330 ATGGAGCTCCACAGCCTGACATCTGAGGACTCTGAGGCTTATCTGCTGCAAGCGGG 389
Qy 101 IleTyrTrp-----TrpGlyHisGlyThrThrLeuThrValSerSer 114
Db 390 AGGTATTACTAGCCTGGGACTGGGGCCAAAGGAGCTCTGGTCACTGTCTCTGCA 443

RESULT 5
US-08-483-528B-3
; Sequence 3, Application US/08483528B
; Patent No. 5939532
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, KAZUYASU
; APPLICANT: KOIKE, MASAMICHI
; APPLICANT: SHITARA, KENYA
; APPLICANT: HANAI, NOBUO
; APPLICANT: KUWANA, YOSHIOHISA
; APPLICANT: HASEGAWA, MAMORU
; TITLE OF INVENTION: HUMANIZED ANTIBODIES
; NUMBER OF SEQUENCES: 103
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/483,528B
; FILING DATE: 07-JUN-95
; CLASSIFICATION: 536
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)816-4000
; TELEFAX: (703)816-4100
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 443 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: sig peptide
; LOCATION: -19...-1
; IDENTIFICATION METHOD:
; IDENTIFICATION METHOD: BY SIMILARITY WITH KNOWN SEQUENCE OR TO AN
; IDENTIFICATION METHOD: ESTABLISHED CONSENSUS
; FEATURE:
; NAME/KEY: domain
; LOCATION: 31..35
; IDENTIFICATION METHOD: BY SIMILARITY
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; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 1"
; FEATURE:
; NAME/KEY: domain
; LOCATION: 55..66
; IDENTIFICATION METHOD: BY SIMILARITY
; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
; IDENTIFICATION METHOD: CONSENSUS
; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 2"
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; NAME/KEY: domain
; LOCATION: 99..107
; IDENTIFICATION METHOD: BY SIMILARITY
; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
; IDENTIFICATION METHOD: CONSENSUS
; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 3"
; US-08-483-528B-3

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Pred. No.: 6,84e-52 Length: 443
Score: 488.00 Matches: 94
Percent Similarity: 85.59% Conservative: 7
Best Local Similarity: 79.66% Mismatches: 13
Query Match: 80.00% Indels: 4
DB: 2 Gaps: 1

US-09-724-409-7 (1-114) x US-08-483-528B-3 (1-443)
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Qy 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrIleHisTrpValLysGlnSer 40
Db 150 TCCTGCAAGGCTTCGGATACACATTCAGTACACATGGAGCTGGTGAAGCAGAGC 209
Qy 41 HisGlyLysSerLeuGluTrpIleGlyArgValLysProAsnAsnGlyThrSerTyr 60
Db 210 CATGGAAGAGCCTGAGTGGATTGGATATATTATCTCAATGCTGGTGGTGGCTAC 269
Qy 61 AsnGlnLysPheLysGlyAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
Db 270 AACCAAGAGTTCAGAGCAGGACCATGCTGAGACAGTCTCTCAGACAGCCTAC 329
Qy 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrCysAlaArgGluGly 100
Db 330 ATGGAGCTCCACAGCCTGACATCTGAGGACTCTGAGGCTTATCTGCTGCAAGCGGG 389
Qy 101 IleTyrTrp-----TrpGlyHisGlyThrThrLeuThrValSerSer 114
Db 390 AGGTATTACTAGCCTGGGACTGGGGCCAAAGGAGCTCTGGTCACTGTCTCTGCA 443

RESULT 6
US-08-673-799C-3
; Sequence 3, Application US/08673799C
; Patent No. 6042828
; GENERAL INFORMATION:
; APPLICANT: NAKAMURA, KAZUYASU
; APPLICANT: KOIKE, MASAMICHI
; APPLICANT: SHITARA, KENYA
; APPLICANT: HANAI, NOBUO
; APPLICANT: KUWANA, YOSHIOHISA
; APPLICANT: HASEGAWA, MAMORU
; TITLE OF INVENTION: HUMANIZED ANTIBODIES
; NUMBER OF SEQUENCES: 104
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
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COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/673,799C
 FILING DATE: 27-JUN-96
 CLASSIFICATION: 536
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703)816-4000
 TELEFAX: (703)816-4100
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 443 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: linear
 MOLECULE TYPE: Other nucleic acid
 FEATURE:
 NAME/KEY: sig_peptide
 LOCATION: -19...-1
 IDENTIFICATION METHOD: BY SIMILARITY WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
 IDENTIFICATION METHOD: CONSENSUS
 OTHER INFORMATION: /product= "HYPERVARIABLE REGION 1"
 FEATURE:
 NAME/KEY: domain
 LOCATION: 31..35
 IDENTIFICATION METHOD: BY SIMILARITY
 IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
 IDENTIFICATION METHOD: CONSENSUS
 OTHER INFORMATION: /product= "HYPERVARIABLE REGION 2"
 FEATURE:
 NAME/KEY: domain
 LOCATION: 55..66
 IDENTIFICATION METHOD: BY SIMILARITY
 IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
 IDENTIFICATION METHOD: CONSENSUS
 OTHER INFORMATION: /product= "HYPERVARIABLE REGION 3"
 US-08-673-799C-3

Alignment Scores:
 Pred. No.: 6,84e-52 Length: 443
 Score: 488.00 Matches: 94
 Percent Similarity: 85.59% Conservative: 7
 Best Local Similarity: 79.66% Mismatches: 13
 Query Match: 80.00% Indels: 4
 DB: 3 Gaps: 1

US-09-724-409-7 (1-114) x US-08-673-799C-3 (1-443)

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 Db 150 TCCTGCAAGGCTTCTGGATACACATTCACATCAGTACACATGAGTGGTGGTGAAGCAGC 209

Qy 41 HisGlyLysSerLeuGluTrpIleGlyArgValIleProAsnAsnGlyGlyThrSerTyr 60
 Db 210 CATGGAAGACCTTGAGTGGATGGATATATTATTCCTACATGGTGGTACTGGCTAC 269

Qy 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerSerThrAlaTyr 80
 Db 270 AACCAAGAGTTCAAGAGCAAGGCCACATTGACTGTAGACAACTGCTCCAGCAGCAGCTTAC 329

Qy 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrCysAlaArgGluGly 100
 Db 330 ATGGAGCTCCAGACCTGACATCTGAGGACTCTGAGTCTATTACTGTGCAAGAGCGGG 389

Qy 101 IleTyrTrp-----TrpGlyHisGlyThrLeuThrValSerSer 114
 Db 390 AGGTATTACTACGCTGGGACTGGGGCCCAAGGGAAGTCTGGTCACTGTCTCTGCA 443

RESULT 7
 US-09-393-385B-3
 ; Sequence 3, Application US/09393385B
 ; Patent No. 6423511
 ; GENERAL INFORMATION:
 ; APPLICANT: NAKAMURA, KAZUYASU
 ; APPLICANT: KOIKE, MASAMICHI
 ; APPLICANT: SHITARA, KENYA
 ; APPLICANT: HANAI, NOBUO
 ; APPLICANT: KIWANA, YOSHIHISA
 ; APPLICANT: HASEGAWA, MAMORU
 ; TITLE OF INVENTION: HUMANIZED ANTIBODIES
 ; NUMBER OF SEQUENCES: 113
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: NIXON & VANDERHYP P.C.
 ; STREET: 1100 NORTH GLEBE ROAD
 ; CITY: ARLINGTON
 ; STATE: VIRGINIA
 ; COUNTRY: U.S.A.
 ; ZIP: 22201-4714
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent In Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/393,385B
 ; FILING DATE: 27-JUN-96
 ; CLASSIFICATION:
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (703)816-4000
 ; TELEFAX: (703)816-4100
 ; INFORMATION FOR SEQ ID NO: 3:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 443 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: both
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: Other nucleic acid
 ; FEATURE:
 ; NAME/KEY: sig_peptide
 ; LOCATION: 34..89
 ; IDENTIFICATION METHOD: BY SIMILARITY WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
 ; IDENTIFICATION METHOD: CONSENSUS
 ; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 1"
 ; FEATURE:
 ; NAME/KEY: domain
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 ; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
 ; IDENTIFICATION METHOD: CONSENSUS
 ; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 2"
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 ; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
 ; IDENTIFICATION METHOD: CONSENSUS
 ; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 3"
 ; FEATURE:
 ; NAME/KEY: domain
 ; LOCATION: 384..410
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 ; IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
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 ; OTHER INFORMATION: /product= "HYPERVARIABLE REGION 3"

RESULT 11

US-09-647-468-7
 ; Sequence 7, Application US/09647468
 ; Patent No. 6677436
 ; GENERAL INFORMATION:
 ; APPLICANT: SATO, KOH
 ; APPLICANT: ADACHI, HIDEKI
 ; APPLICANT: YABUTA, NAOHIRO
 ; TITLE OF INVENTION: HUMANIZED ANTIBODY AGAINST HUMAN TISSUE FACTOR (TF) AND
 ; FILE OF INVENTION: PROCESS OF PRODUCTION OF THE HUMANIZED ANTIBODY
 ; FILE REFERENCE: 053466/0289
 ; CURRENT APPLICATION NUMBER: US/09/647,468
 ; PRIOR FILING DATE: 2000-09-29
 ; PRIOR APPLICATION NUMBER: PCT/JP99/01768
 ; PRIOR FILING DATE: 1999-04-02
 ; PRIOR APPLICATION NUMBER: JP 10-91850
 ; PRIOR FILING DATE: 1998-04-03
 ; NUMBER OF SEQ ID NOS: 183
 ; SOFTWARE: Patent In Ver. 2.1
 ; SEQ ID NO 7
 ; LENGTH: 411
 ; TYPE: DNA
 ; ORGANISM: Mus sp.
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: Nucleotide
 ; OTHER INFORMATION: sequence coding for H chain V region of anti-TF
 ; OTHER INFORMATION: mouse monoclonal antibody ATR-3
 ; NAME/KEY: sig_peptide
 ; LOCATION: (1)..(57)
 ; NAME/KEY: mat_peptide
 ; LOCATION: (58)..(411)
 ; NAME/KEY: CDS
 ; LOCATION: (1)..(411)
 ; US-09-647-468-7

Alignment Scores:
 Pred. No.: 8,246-52 Length: 411
 Score: 487.00 Matches: 95
 Percent Similarity: 87.29% Conservative: 8
 Best local Similarity: 80.51% Mismatches: 11
 Query Match: 79.84% Indels: 4
 Gaps: 2
 DB:
 US-09-724-409-7 (1-114) x US-09-647-468-7 (1-411)
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 DB 58 GAGATCCAGCTGCAGCAGCTCTGGACCTGAGCTGGTGAAGCTGGGGCTTCAGTGAAGGTA 117
 QY 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTrpValLysGlnSer 40
 DB 118 TCCTGCAAGCTTCGTGTTACTCATCTCACTGACTACACATCTACTCTGGTGAAGCAGAGC 177
 QY 41 HisGlyLysSerLeuGlnTrpIleGlyArgValIleProAsnAsnGlyGlyThrSerTyr 60
 DB 178 CATGAAAGAGCTTCAGTGGATTGGATATATGATATCTCTTACATCTGGTGGTACTATCTAC 237
 QY 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
 DB 238 AACCAAGAGTTCAGGGCAAGGCCACCATTCATCTGTTGACAGTCTCCAGCAGCCTTC 297
 QY 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrTyrCysAlaArg----- 98
 DB 298 ATGCATCTCAACAGCCTGACATCTGAGGACTCTGCAGTCTATTACTGTGCAAGAGAGGG 357
 QY 99 GluGlyIleTyr-----TrpTrpGlyHisGlyThrLeuThrValSerSer 114
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RESULT 12

US-08-838-682-6
 ; Sequence 6, Application US/08838682
 ; Patent No. 6107090
 ; GENERAL INFORMATION:

APPLICANT: Bander M.D., Neil H.
 TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF PROSTATE
 TITLE OF INVENTION: CANCER
 NUMBER OF SEQUENCES: 19
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
 STREET: Clinton Square, P.O. Box 1051
 CITY: Rochester
 STATE: New York
 COUNTRY: U.S.A.
 ZIP: 14603-1051
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/838,682
 FILING DATE:
 CLASSIFICATION: 424
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/016,976
 FILING DATE: 06-MAY-1996
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 60/022,125
 FILING DATE: 18-JUL-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Goldman, Michael L.
 REGISTRATION NUMBER: 30,727
 REFERENCE/DOCKET NUMBER: 19603/1172
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (716) 263-1304
 TELEFAX: (716) 263-1600
 INFORMATION FOR SEQ ID NO: 6:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 345 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: CDNA
 US-08-838-682-6

Alignment Scores:
 Pred. No.: 1,776-51 Length: 345
 Score: 483.50 Matches: 93
 Percent Similarity: 87.83% Conservative: 8
 Best local Similarity: 80.87% Mismatches: 13
 Query Match: 79.26% Indels: 1
 Gaps: 1
 DB:
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 QY 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTrpValLysGlnSer 40
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 QY 41 HisGlyLysSerLeuGlnTrpIleGlyArgValIleProAsnAsnGlyGlyThrSerTyr 60
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 QY 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
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 QY 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrTyrCysAlaArgGluGly 100
 DB 241 ATGGAGCTCCGAGCCTTAACATCTCAGGATTCCTGAGCTCTATTATTGTGCACTGTTGG 300
 QY 101 IleTyr---TrpTrpGlyHisGlyThrLeuThrValSerSer 114

Db 301 AACTTTGACTGGGGCCAGGACCACTCTCACAGTCTCTCA 345
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 ; Sequence 7, Application US/08838682
 ; Patent No. 6107090
 ; GENERAL INFORMATION:
 ; APPLICANT: Bander M.D., Neil H.
 ; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF PROSTATE
 ; TITLE OF INVENTION: CANCER
 ; NUMBER OF SEQUENCES: 19
 ; CORRESPONDENCE ADDRESSES:
 ; ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
 ; STREET: Clinton Square, P.O. Box 1051
 ; CITY: Rochester
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 14603-1051
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/838,682
 ; FILING DATE:
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/016,976
 ; FILING DATE: 06-MAY-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/022,125
 ; FILING DATE: 18-JUL-1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Goldman, Michael L.
 ; REGISTRATION NUMBER: 30,727
 ; REFERENCE/DOCKET NUMBER: 19603/1172
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (716) 263-1304
 ; TELEFAX: (716) 263-1600
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 345 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; US-08-838-682-7
 Alignment Scores:
 Pred. No.: 1.77e-51 Length: 345
 Score: 483.50 Matches: 93
 Percent Similarity: 87.83% Conservative: 8
 Best Local Similarity: 80.87% Mismatches: 13
 Query Match: 79.26% Indels: 1
 DB: 3 Gaps: 1
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 Db 345 GAGGTCCAGCTGCAACAGCTCTGGACCTGACCTGAGTGGTGAAGCTGGGACTTCAGTGAGGATA 286
 QY 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTrpValLysGlnSer 40
 Db 285 TCCTGCAAGACTTCTGATACATCTTCACTGATATACCATACATCTGGTGAAGCAGAGC 226
 QY 41 HisGlyLysSerLeuGlnTrpIleGlyArgValIleProAsnAsnGlyGlyThrSerTyr 60
 Db 225 CATGGAAGAGCCTTGAGTGGATTGGAACATCAATCTTAAACATGGTGTACCACTAC 166
 QY 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80

Db 165 AATCAGAAGTTCAGGACCAAGCCACATTCAGTGTAGACAAGTCTCCAGTACAGCTAC 106
 QY 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrTyrCysAlaArgGluGly 100
 Db 105 ATGGAGCTCCGAGCCTAACATCTGAGGATTCGCACTATTAATTGTGAGCTGGTGG 46
 QY 101 IleTyr---TptTpGlyHisGlyThrThrLeuThrValSerSer 114
 Db 45 AACTTTGACTACTGGGGCCAGGACCACTCTCACAGTCTCTCA 1
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 US-08-895-914-6
 ; Sequence 6, Application US/08895914
 ; Patent No. 6136311
 ; GENERAL INFORMATION:
 ; APPLICANT: Bander, Neil H.
 ; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF CANCER
 ; NUMBER OF SEQUENCES: 19
 ; CORRESPONDENCE ADDRESSES:
 ; ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
 ; STREET: Clinton Square, P.O. Box 1051
 ; CITY: Rochester
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 14603-1051
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/895,914
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/016,976
 ; FILING DATE: 06-MAY-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/022,125
 ; FILING DATE: 18-JUL-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/838,682
 ; FILING DATE: 09-APR-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Goldman, Michael L.
 ; REGISTRATION NUMBER: 30,727
 ; REFERENCE/DOCKET NUMBER: 19603/1173
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (716) 263-1304
 ; TELEFAX: (716) 263-1600
 ; INFORMATION FOR SEQ ID NO: 6:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 345 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; US-08-895-914-6
 Alignment Scores:
 Pred. No.: 1.77e-51 Length: 345
 Score: 483.50 Matches: 93
 Percent Similarity: 87.83% Conservative: 8
 Best Local Similarity: 80.87% Mismatches: 13
 Query Match: 79.26% Indels: 1
 DB: 3 Gaps: 1
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 Db 1 GAGGTCCAGCTGCAACAGCTCTGGACCTGACCTGAGTGGTGAAGCTGGGACTTCAGTGAGGATA 60

QY 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTrpVallyysGlnSer 40
 Db 61 TCTGCAAGACTTCTGGATACACATTCATGAATATACCATACACCTGGGGAAGCAGAGC 120
 QY 41 HisGlyLysSerLeuGluTrpIleGlyArgValIleProAsnAsnGlyGlyThrSerTyr 60
 Db 121 CATGGAAGAGCCTTGGTGGATTGGAACATCAATCCTAACATGGTGTACCACTAC 180
 QY 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
 Db 181 AATCAGAAGTTCAGGACAGGACACATTCAGCTGTAGACAAGCTCCTCCAGTACAGCCTAC 240
 QY 81 MetGluLeuArgSerLeuThrSerGluAspSerAlaValTyrTyrCysAlaArgGluGly 100
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 QY 101 IleTyr---TrpTrpGlyHisGlyThrThrLeuThrValSerSer 114
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RESULT 15

US-08-895-914-7/c
 ; Sequence 7, Application US/08895914
 ; Patent No. 6136311
 ; GENERAL INFORMATION:
 ; APPLICANT: Bander, Neil H.
 ; TITLE OF INVENTION: TREATMENT AND DIAGNOSIS OF CANCER
 ; NUMBER OF SEQUENCES: 19
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
 ; STREET: Clinton Square, P.O. Box 1051
 ; CITY: Rochester
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 14603-1051
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
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 ; SOFTWARE: Patentin Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/895,914
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/016,976
 ; FILING DATE: 06-MAY-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/022,125
 ; FILING DATE: 18-JUL-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/838,682
 ; FILING DATE: 09-APR-1997
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Goldman, Michael L.
 ; REGISTRATION NUMBER: 30,727
 ; REFERENCE/DOCKET NUMBER: 19603/1173
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (716) 263-1304
 ; TELEFAX: (716) 263-1600
 ; INFORMATION FOR SEQ ID NO: 7:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 345 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cdna
 ; US-08-895-914-7

Percent Similarity: 87.83% Conservative: 8
 Best Local Similarity: 80.87% Mismatches: 13
 Query Match: 79.26% Indels: 1
 DB: 3 Gaps: 1
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 QY 1 GluValGlnLeuGlnGlnSerGlyProAspLeuValLysProGlyAlaSerVallyysIle 20
 Db 345 GAGGTCCAGCTCAACAGCTCTGGACCTGAACCTGGTGAAGCCTGGGACTTCAGTGAAGATA 286
 QY 21 SerCysLysAlaSerGlyTyrSerPheThrGlyTyrTyrIleHisTrpVallyysGlnSer 40
 Db 285 TCTGCAAGACTTCTGGATACACATTCATGAATATACCATACCTGGGTGAAGCAGAGC 226
 QY 41 HisGlyLysSerLeuGluTrpIleGlyArgValIleProAsnAsnGlyGlyThrSerTyr 60
 Db 225 CATGGAAGAGCCTTGGTGGATTGGAACATCAATCCTTAACAATGGTGTGTACCACTAC 166
 QY 61 AsnGlnLysPheLysGlyLysAlaIleLeuThrValAspLysSerSerThrAlaTyr 80
 Db 165 AATCAGAAGTTCAGGACAGGACCACTGATGTAGACAAGTCTCCTCCAGTACAGCCTAC 106
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 Db 105 ATGGAGCTCGGAGCCTAACATCTGAGGATCTGCACTCTATTTATTTGTGAGCTGGTTGG 46
 QY 101 IleTyr---TrpTrpGlyHisGlyThrThrLeuThrValSerSer 114
 Db 45 AACTTTGACTACTGCGGCAAGGACCACTCTCACAGTCTCCTCA 1

Search completed: May 13, 2004, 07:58:51
 Job time : 62.5221 secs

Alignment Scores: 1.77e-51 Length: 345
 Pred. No.: 483.50 Matches: 93
 Score:

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 13, 2004, 07:32:28 ; Search time 338.478 Seconds

(without alignments)
1501.609 Million cell updates/sec

Title: US-09-724-409-2

Perfect score: 587

Sequence: 1 DVVVTQPLSLPVSIGQAQAS.....CSQTHVPWFPGGKTLEIQ 112

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 2947324 seqs, 2269024515 residues

Total number of hits satisfying chosen parameters: 5894648

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-LOOPCL=0 -LOOPEXT=0 -UNITS=bits -START=1 -END=-1 -MATRIX=blosum62
-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0
-MAXLEN=2000000000 -USER=US09724409@cgn1_1.580@runat_12052004_081345_2745
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Database : Published Applications NA.*

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- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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ALIGNMENTS

RESULT 1

US-10-372-481-28

; Sequence 28, Application US/10372481
; Publication No. US20030202975A1
; GENERAL INFORMATION:
; APPLICANT: Tedder, Thomas F.
; TITLE OF INVENTION: REAGENTS AND TREATMENT METHODS FOR AUTOIMMUNE DISEASES
; FILE REFERENCE: 5405 306
; CURRENT APPLICATION NUMBER: US/10/372,481
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: PCT/US03/05549
; PRIOR FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 60/420,472
; PRIOR FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: US 60/359,419
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 28
; LENGTH: 419
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-372-481-28

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4	537	91.5	384	9	US-09-753-436-44	Sequence 44, Appl
5	537	91.5	384	15	US-10-163-942-44	Sequence 44, Appl
6	535	91.1	336	15	US-10-153-401-22	Sequence 22, Appl
7	534	91.0	336	15	US-10-153-401-26	Sequence 26, Appl
8	534	91.0	779	9	US-09-887-853-3	Sequence 3, Appl
9	533	90.8	723	9	US-09-978-752-7	Sequence 7, Appl
10	533	90.8	879	9	US-09-978-752-22	Sequence 22, Appl
11	532	90.6	336	10	US-09-995-529-9	Sequence 9, Appl
12	532	90.6	336	15	US-10-153-401-17	Sequence 17, Appl
13	532	90.6	336	15	US-10-153-401-18	Sequence 18, Appl
14	532	90.6	336	15	US-10-153-401-19	Sequence 19, Appl
15	532	90.6	336	15	US-10-153-401-25	Sequence 25, Appl
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35	527	89.8	819	15	US-10-138-505-29	Sequence 29, Appl
36	527	89.8	819	15	US-10-138-505-33	Sequence 33, Appl
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38	527	89.8	828	12	US-10-321-131-24	Sequence 24, Appl
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40	527	89.8	828	13	US-10-257-864A-24	Sequence 24, Appl
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Query Match: 94.04% Indels: 0
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QY 61 SerGlyValProAspArgPheSerGlySerGlySerGlyThrAspPheThrLeuLysIle 80
Db 238 TCTGGGCTCCAGATAGTTCAGTGGCAGTGGATCAGGCACAGATTCACACTCAAGATC 297
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Db 298 AGCAGAGTGGAGCTGAGGATCTGGAGTTTATTCTGCTCTCAAGTACACATGTTCCG 357
QY 101 TrpThrPheGlyGlyThrLysLeuGluIleGln 112
Db 358 TACACGTTCCGAGGGGGGACCAAGCTGGAAATAAAA 393

RESULT 3
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; Sequence 3, Application US/09518737
; Publication No. US20030008321A1
; GENERAL INFORMATION:
; APPLICANT: FUKUI, YASUHIKA
; APPLICANT: NAGATA, SATOSHI
; APPLICANT: SHIRAI, RYUICHI
; APPLICANT: SAITO, NAOKI
; TITLE OF INVENTION: MONOCLONAL ANTIBODY RECOGNIZING
; FILE REFERENCE: 1965/49618
; CURRENT APPLICATION NUMBER: US/09/518,737
; CURRENT FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: JP 1999-250209
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 3
; LENGTH: 336
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(336)
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Query Match: 92.16% Indels: 0
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Db 181 TCTGGGCTCCAGACAGGTTTCAGTGGCAGTGGAAACAGGACAGATTCACACTCAAGATC 240

Alignment Scores:
Pred. No.: 2,23e-67 Length: 419
Score: 552.00 Matches: 105
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RESULT 4

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; Sequence 44, Application US/09753436
; Patent No. US20010029293A1
; GENERAL INFORMATION:
; APPLICANT: Gallatin, W. Michael
; APPLICANT: Vazeux, Rosemay
; TITLE OF INVENTION: ICAM-Related Materials and Methods
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/753,436
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/382,289
; FILING DATE:
; APPLICATION NUMBER: US 08/487,113
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/286,754
; FILING DATE: 05-AUG-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/102,852
; FILING DATE: 05-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/009,266
; FILING DATE: 22-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/894,061
; FILING DATE: 05-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/889,724
; FILING DATE: 26-MAY-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/827,689
; FILING DATE: 27-JAN-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Williams, Joseph A., Jr.
; REGISTRATION NUMBER: 38,659
; REFERENCE/DOCKET NUMBER: 33282
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 474-6300
; TELEFAX: (312) 474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 44:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 384 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA

Alignment Scores:
Pred. No.: 2,45e-65 Length: 384
Score: 537.00 Matches: 101
Percent Similarity: 97.32% Conservative: 8
Best Local Similarity: 90.18% Mismatches: 3
Query Match: 91.48% Indels: 0
DB: 9 Gaps: 0
US-09-724-409-2 (1-112) x US-09-753-436-44 (1-384)
Qy 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
Db 49 GACGCTGTATGATGACCCAACTCCACTCTCCCTGCTCTGAGTCTTGAGATCAAGCTCC 108
Qy 21 IleSerCysArgSerSerGlnSerLeuValHisSerAsnGlyAsnThrPheLeuHisTrp 40
Db 109 ATTCTTTGCAGATCTAGTCAGAGCTTTGTACACAGTAAATGAGACACCTATTATTCATGG 168
Qy 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuIleTyrThrValSerAsnArgPhe 60
Db 169 TACTTCGAGAGCCAGCCAGTCTCCACAGCTCTGATCTACAAAGTTTCCACCCGATTT 228
Qy 61 SerGlyValProAspArgPheSerGlySerGlySerGlyThrAspPheThrLeuLysIle 80
Db 229 TCTGGGTCTCCAGACAGGTTTCAGTGGCAGTGGATCAGGGACAGATTTCCACTCAAGCTC 288
Qy 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrThrHisValPro 100
Db 289 AGCAGAGTGGAGGCTGAGGATCTGGGAGTTATTCTGCTCTCAAGTACACATGTTCCG 348
Qy 101 TrpThrPheGlyGlyThrLysLeuGluIleGln 112
Db 349 TACACGTTTCGAGGGGGACCAAGCTGGAAATAAA 384
RESULT 5
US-10-163-942-44
; Sequence 44, Application US/10163942
; Publication No. US20030199423A1
; GENERAL INFORMATION:
; APPLICANT: Gallatin, W. Michael
; APPLICANT: Vazeux, Rosemay
; TITLE OF INVENTION: ICAM-Related Materials and Methods
; NUMBER OF SEQUENCES: 120
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/163,942
; FILING DATE: 05-JUN-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/753,436
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 09/382,289
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/487,113
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 08/286,754
; FILING DATE: 05-AUG-1994
; APPLICATION NUMBER: US 08/102,852
; FILING DATE: 05-AUG-1993
; APPLICATION NUMBER: US 08/009,266
; FILING DATE: 22-JAN-1993

APPLICATION NUMBER: US 07/894,061
 FILING DATE: 05-JUN-1992
 APPLICATION NUMBER: US 07/889,724
 FILING DATE: 26-MAY-1992
 APPLICATION NUMBER: US 07/827,689
 FILING DATE: 27-JAN-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Williams, Joseph A., Jr.
 REGISTRATION NUMBER: 38,659
 REFERENCE/DOCKET NUMBER: 33282
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (312) 474-6300
 TELEFAX: (312) 474-0448
 TELEX: 25-3856
 INFORMATION FOR SEQ ID NO: 44:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 384 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA
 SEQUENCE DESCRIPTION: SEQ ID NO: 44:
 US-10-163-942-44

Alignment Scores:
 Pred. No.: 2,45e-65 Length: 384
 Score: 537.00 Matches: 101
 Percent Similarity: 97.32% Conservative: 8
 Best Local Similarity: 90.18% Mismatches: 3
 Query Match: 91.48% Indels: 0
 DB: 15 Gaps: 0

US-09-724-409-2 (1-112) x US-10-163-942-44 (1-384)

QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
 Db 49 GAGCGTGTGATGACCCAAATCCACTCCCTGCTGCTGAGATCAAGCTCC 108
 QY 21 IleSerCysArgSerSerGlnSerLeuValHisSerAsnGlyAsnThrPheLeuHisTip 40
 Db 109 ATCTTTCAGATCTAGTCAGACCTTGTACAGTAATGAGACACCTATTACATTGG 168
 QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuLeuTyrThrValSerAsnArgPhe 60
 Db 169 TACCTGCAGAAAGCCAGCCAGTCTCCACAGCTCTGATCTACAAAGTTTCCAAACCGATT 228
 QY 61 SerGlyValProAspArgPheSerGlySerGlySerGlyThrAspPheThrLeuLysIle 80
 Db 229 TCTGGGTCCCGACACAGGTTGAGTGGCAGTGGATCAGGGACAGATTTCACACCAAGCTC 288
 QY 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrThrHisValPro 100
 Db 289 AGCAGAGTGGAGCTGAGGATCTGGGAGTTTATTCTGCTCTCAAGTACACATGTTCCG 348
 QY 101 TrpThrPheGlyGlyThrLysLeuGluIleGln 112
 Db 349 TACACGTTGGAGGGGGACCAAGCTGGAATRAAA 384

RESULT 6

US-10-153-401-22
 Sequence 22, Application US/10153401
 Publication No. US20030114398A1
 GENERAL INFORMATION:
 APPLICANT: Chatterjee, Malaya
 Foon, Kenneth A.
 Chatterjee, Sunil K.
 TITLE OF INVENTION: MONOCLONAL ANTIBODY 1A7 AND USE FOR THE
 TREATMENT OF MELANOMA AND SMALL CELL CARCINOMA
 NUMBER OF SEQUENCES: 66
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MORRISON & FOERSTER
 STREET: 755 PAGE MILL ROAD
 CITY: PALO ALTO

STATE: CA
 COUNTRY: USA
 ZIP: 94304-1018
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.30
 CURRENT APPLICATION DATA: US/10/153,401
 APPLICATION NUMBER: US/10/153,401
 FILING DATE: 27-Aug-2002
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 09/293,533
 FILING DATE: 1999-04-15
 APPLICATION NUMBER: US 08/372,676
 FILING DATE: 1995-01-17
 APPLICATION NUMBER: US 08/591,196
 FILING DATE: 1996-01-16
 ATTORNEY/AGENT INFORMATION:
 NAME: Catherine M. Polizzi
 REGISTRATION NUMBER: 40,130
 REFERENCE/DOCKET NUMBER: 304142000202
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (415) 813-5600
 TELEFAX: (415) 494-0792
 TELEX: 706141
 INFORMATION FOR SEQ ID NO: 22:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 336 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 SEQUENCE DESCRIPTION: SEQ ID NO: 22:
 US-10-153-401-22

Alignment Scores:
 Pred. No.: 3.88e-65 Length: 336
 Score: 535.00 Matches: 101
 Percent Similarity: 95.54% Conservative: 6
 Best Local Similarity: 90.18% Mismatches: 5
 Query Match: 91.14% Indels: 0
 DB: 15 Gaps: 0

US-09-724-409-2 (1-112) x US-10-153-401-22 (1-336)

QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
 Db 1 GATGTTGTGATGACCCAAATCCACTCCCTGCTGCTGAGATCAAGCTCC 60
 QY 21 IleSerCysArgSerSerGlnSerLeuValHisSerAsnGlyAsnThrPheLeuHisTip 40
 Db 61 ATCTTTCAGATCTAGTCAGACCTTGTACAGTAATGAGACACCTATTACATTGG 120
 QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuLeuTyrThrValSerAsnArgPhe 60
 Db 121 TACCTGCAGAAAGCCAGCCAGTCTCCAAAGTCTCTGATCTACAAAGTTTCCAAACCGATT 180
 QY 61 SerGlyValProAspArgPheSerGlySerGlySerGlyThrAspPheThrLeuLysIle 80
 Db 181 TCTGGGTCCCGACACAGGTTGAGTGGCAGTGGATCAGGGACAGATTTCACACCAAGATC 240
 QY 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrThrHisValPro 100
 Db 241 AGCAGAGTGGAGCTGAGGATCTGGGAGTTTATTCTGCTCTCAAGTACACATGTTCCG 300
 QY 101 TrpThrPheGlyGlyThrLysLeuGluIleGln 112
 Db 301 TGGACGTTGGTGGAGGGACCAAGCTGGAATCAAA 336

RESULT 7

US-10-153-401-26

Sequence 26, Application US/10153401
Publication No. US20030114398A1
GENERAL INFORMATION:
APPLICANT: Chatterjee, Malaya
Foon, Kenneth A.
Chatterjee, Sunil K.
TITLE OF INVENTION: MONOCLONAL ANTIBODY 1A7 AND USE FOR THE
TREATMENT OF MELANOMA AND SMALL CELL CARCINOMA
NUMBER OF SEQUENCES: 66
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/153,401
FILING DATE: 27-Aug-2002
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/293,533
FILING DATE: 1999-04-15
APPLICATION NUMBER: US 08/372,676
FILING DATE: 1995-01-17
APPLICATION NUMBER: US 08/591,196
FILING DATE: 1996-01-16
ATTORNEY/AGENT INFORMATION:
NAME: Catherine M. Polizzi
REGISTRATION NUMBER: 40,130
REFERENCE/DOCKET NUMBER: 304142000202
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792
TELEX: 706141
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 336 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (Genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 26:
US-10-153-401-26
Alignment Scores:
Pred. No.: 5,35e-65 Length: 336
Score: 534.00 Matches: 101
Percent Similarity: 95.54% Conservative: 6
Best Local Similarity: 90.18% Mismatches: 5
Query Match: 90.97% Indels: 0
DB: 15 Gaps: 0
US-09-724-409-2 (1-112) x US-10-153-401-26 (1-336)
QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
DB 1 GATGTTTGGATGACCAAACTCCACTCCCTGCTCCCTGCTGAGATCAAGCCTCC 60
QY 21 IleSerCysArgSerSerGlnSerLeuValHisSerAsnGlyAsnThrPheLeuHisTrp 40
DB 61 ATCTCTTCAGATCTAGTCAGACGACATTGTACATAGTAGTGGAACACCTTTTAGAATGG 120
QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuLeuTyrThrValSerAsnArgPhe 60
DB 121 TACCTGCAGAAACACGAGGAGCTCTCAAGAGCTCTTGAATCTCAAGATTCACACCGATT 180
QY 61 SerGlyValProAspArgPheSerGlySerGlyThrAspPheThrLeuLysile 80

DB 181 TCTGGGGTCCACAGACAGGTTTCAGTGGCAGTGGAGGACAGATTTCACACTCAGATC 240
QY 81 SerArgValGluAlaGlnAspLeuGlyValTyrPheCysSerGlnThrThrHisValPro 100
DB 241 AGCAGGGTGGAGGCTGAGGATCTGGAGGTTTATTACTGCTTTCAGAGGTACATGTTCCG 300
QY 101 TptThrPheGlyGlyGlyThrLysLeuGluLeuGln 112
DB 301 TGGACGTTCCGTTGGAGGACCAAGCTGGAAATCAAA 336
RESULT 8
US-09-887-853-3
Sequence 3, Application US/09887853
Patent No. US20020169375A1
GENERAL INFORMATION:
APPLICANT: Huston, James S.
Oppermann, Hermann
Huston, L. L.
Ring, David B.
TITLE OF INVENTION: Biosynthetic Binding Proteins For
Imaging
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Testa, Hurwitz & Thibault/Patent Department
STREET: Exchange Place, 53 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/887,853
FILING DATE: 21-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/133,804
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Kelley, Robin D.
REGISTRATION NUMBER: 34,637
REFERENCE/DOCKET NUMBER: 2054/22
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-248-7477
TELEFAX: 617-248-7100
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 779 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 3..758
OTHER INFORMATION: /product= "26-10 sfv" with
C-terminal Gly4-Cys"
SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-09-887-853-3
Alignment Scores:
Pred. No.: 1,71e-64 Length: 779
Score: 534.00 Matches: 103
Percent Similarity: 96.43% Conservative: 5
Best Local Similarity: 91.96% Mismatches: 4
Query Match: 90.97% Indels: 0
DB: 9 Gaps: 0
US-09-724-409-2 (1-112) x US-09-887-853-3 (1-779)


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Db      241   AGCAGGTGGAGCTGAGATCTGGGATTATTACTGCTTTCAAGTTCACATGTTCCG 30
Qy      101   TtpThrphegLyglyThrLysleuGluleGln 112
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Db      301   TGGACGTTCCGTTGGTGAGGCCAACCAAGCTGGAATCAA 336

RESULT 14
US-10-153-401-19
; Sequence 19, Application US/10153401
; Publication No. US20030114398A1
; GENERAL INFORMATION:
; APPLICANT: Chatterjee, Malaya
;           Foon, Kenneth A.
;           Chatterjee, Sunil K.
; TITLE OF INVENTION: MONOCLONAL ANTIBODY 1A7 AND USE FOR THE
;                   TREATMENT OF MELANOMA AND SMALL CELL CARCINOMA
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/153,401
; FILING DATE: 27-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/293,533
; FILING DATE: 1999-04-15
; APPLICATION NUMBER: US 08/372,676
; FILING DATE: 1995-01-17
; APPLICATION NUMBER: US 08/591,196
; FILING DATE: 1996-01-16
; ATTORNEY/AGENT INFORMATION:
; NAME: Catherine M. Polizzi
; REGISTRATION NUMBER: 40,130
; REFERENCE/DOCKET NUMBER: 304142000202
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 813-5600
; TELEFAX: (415) 494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 336 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-10-153-401-19

Alignment Scores:
Pred. No.: 1.02e-64 Length: 336
Score: 532.00 Matches: 100
Percent Similarity: 95.54% Conservative: 7
Best Local Similarity: 89.29% Mismatches: 5
Query Match: 90.63% Indels: 0
DB: 15 Gaps: 0

US-09-724-409-2 (1-112) x US-10-153-401-19 (1-336)

Qy      1 AspValValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
Db      1 GAGTTTGTGAGTACCACAAATCCACTCTCCCNCCTTGTGAGTCTTGGAGATCACGCCTCC 60
Qy      21 IleserCysArgSerGlnSerLeuValHisSerAsnGlyAsnThrPheLeuHisTrp 40

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Db 61 ATCTTTCAGACTAGTCAGAGCATGTGATAGTAAATGGAACACACTATTAGATGG 120
Qy 41 TyrluGlnLysProGlyGlnSerProLysLeuLeuIleTyrThrValSerAsnArgPhe 60
Db 121 TACCTGCAGAAACCCAGGCCAGTCTCCAAAGCTCTNATCTACAAAGTTTCCAAACCGATT 180
Qy 61 SerGlyValProAspArgPheSerGlySerGlyThrAspPheThrLeuIle 80
Db 181 TCTGGGTCCAGACAGAGTTCAGTGGCAGTGGATCAGGACAGATTTACACTCAAGATC 240
Qy 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrHisValPro 100
Db 241 AGCAGAGTGGAGGCTGAGGATCTGGAGTTTATTACTGCTTTCAAGTTCACATGTTCCG 300
Qy 101 TrpThrPheGlyGlyGlyThrLysLeuGluIleGln 112
Db 301 TGGACGTTTCGGTGGAGGCACCAAGCTGGAATCAAA 336

RESULT 15

US-10-153-401-25
; Sequence 25, Application US/10153401
; Publication No. US20030114398A1
; GENERAL INFORMATION:
; APPLICANT: Chatterjee, Malaya
; Foon, Kenneth A.
; Chatterjee, Sunil K.
; TITLE OF INVENTION: MONOCLONAL ANTIBODY 1A7 AND USE FOR THE
; TREATMENT OF MELANOMA AND SMALL CELL CARCINOMA
; NUMBER OF SEQUENCES: 66
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: MORRISON & FOERSTER
; STREET: 755 PAGE MILL ROAD
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: USA
; ZIP: 94304-1018
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/153,401
; FILING DATE: 27-Aug-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/293,533
; FILING DATE: 1999-04-15
; APPLICATION NUMBER: US 08/372,676
; FILING DATE: 1995-01-17
; APPLICATION NUMBER: US 08/591,196
; FILING DATE: 1996-01-16
; ATTORNEY/AGENT INFORMATION:
; NAME: Catherine M. Polizzi
; REGISTRATION NUMBER: 40,130
; REFERENCE/DOCKET NUMBER: 304142000202
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 813-5600
; TELEFAX: (415) 494-0792
; TELEX: 706141
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 336 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; SEQUENCE DESCRIPTION: SEQ ID NO: 25:
US-10-153-401-25

Alignment Scores:
Pred. No.: 1.02e-64 Length: 336

Score: 532.00 Matches: 100
Percent Similarity: 95.54% Conservative: 7
Best Local Similarity: 89.29% Mismatches: 5
Query Match: 90.63% Indels: 0
DB: 15 Gaps: 0
US-09-724-409-2 (1-112) x US-10-153-401-25 (1-336)
Qy 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
Db 1 GATGTTTAAATGACCCAACTCCACTCTCCCTGCTGTCTGAGTCTTGGAGATCAAGCCCTCC 60
Qy 21 IleSerCysArgSerSerGlnSerLeuValHisSerAsnGlyAsnThrPheLeuHisTyr 40
Db 61 ATCTTTCAGACTAGTCAGAGCATGTGATAGTAAATGGAACACACTATTAGATGG 120
Qy 41 TyrluGlnLysProGlyGlnSerProLysLeuLeuIleTyrThrValSerAsnArgPhe 60
Db 121 TACCTGCAGAAACCCAGGCCAGTCTCCAAAGCTCTGATCTACAAAGTTTCCAAACCGATT 180
Qy 61 SerGlyValProAspArgPheSerGlySerGlyThrAspPheThrLeuIle 80
Db 181 TCTGGGTCCAGACAGAGTTCAGTGGCAGTGGATCAGGACAGATTTACACTCAAGATC 240
Qy 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrHisValPro 100
Db 241 AGCAGAGTGGAGGCTGAGGATCTGGAGTTTATTACTGCTTTCAAGTTCACATGTTCCG 300
Qy 101 TrpThrPheGlyGlyGlyThrLysLeuGluIleGln 112
Db 301 TGGACGTTTCGGTGGAGGCACCAAGCTGGAATCAAA 336

Search completed: May 13, 2004, 09:44:32
Job time : 340.478 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 13, 2004, 02:58:22 ; Search time 58.4779 Seconds
(without alignments)
1062.872 Million cell updates/sec

US-09-724-409-2

Perfect score: 587
Sequence: 1 DVVVQTPLSLPVSLSQAQAS.....CSQTHVPWTFGGTKLEIQ 112

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Delop 6.0 , Delext 7.0	

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-Q=/cgn2_6/ptodata/2/ina/5A.COMB.seq:*
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-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=pct -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
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-NO MMAP -LARGQUERY -NEG SCORES=0 -WAIT -DSBLOP=100 -LONGLOG
-DEV TIMEOUT=120 -WARN TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Issued Patents NA:*
1: /cgn2_6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/ECTUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	550	93.7	725	2	US-08-224-591-11
2	550	93.7	725	2	US-08-392-338A-20
3	550	93.7	725	2	US-08-926-789-11
4	550	93.7	725	3	US-09-166-750-20
5	550	93.7	725	3	US-09-166-093-20
6	550	93.7	725	3	US-09-172-019-20
7	550	93.7	725	3	US-09-166-094-20
8	550	93.7	725	4	US-09-443-213-20
9	550	93.7	725	5	PCR-US93-11138-11
10	550	93.7	731	2	US-08-392-338A-10
11	550	93.7	731	3	US-09-166-750-10
12	550	93.7	731	3	US-09-166-093-10

13	550	93.7	731	3	US-09-172-019-10
14	550	93.7	731	3	US-09-166-094-10
15	550	93.7	731	4	US-09-443-213-10
16	550	93.7	761	2	US-08-392-338A-14
17	550	93.7	761	3	US-09-166-750-14
18	550	93.7	761	3	US-09-166-093-14
19	550	93.7	761	3	US-09-172-019-14
20	550	93.7	761	3	US-09-166-094-14
21	550	93.7	761	4	US-09-443-213-14
22	550	93.7	770	2	US-08-392-338A-16
23	550	93.7	770	3	US-09-166-750-16
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25	550	93.7	770	3	US-09-172-019-16
26	550	93.7	770	3	US-09-166-094-16
27	550	93.7	770	4	US-09-443-213-16
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29	550	93.7	1172	4	US-09-724-297-20
30	546	93.0	424	3	US-08-589-939-8
31	538	91.7	2010	3	US-09-070-637-19
32	537	91.5	336	2	US-08-606-293-3
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41	535	91.1	336	2	US-08-752-844-22
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44	534	91.0	336	2	US-08-752-844-26
45	534	91.0	336	2	US-08-591-196-26

ALIGNMENTS

RESULT 1

US-08-224-591-11
; Sequence 11, Application US/08224591
; Patent No. 5856456
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Filpula, David
; TITLE OF INVENTION: Linker For Linked Fusion Polypeptides
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Steirne, Kessler, Goldstein & Fox
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/224,591
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/002,845
; FILING DATE: 15-JAN-1993
; APPLICATION NUMBER: US 07/980,529
; FILING DATE: 20-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0977.1920002/JAG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600

TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 11:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 725 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: both
 FEATURE:
 NAME/KEY: CDS
 LOCATION: join(1..714)
 US-08-224-591-11

Alignment Scores:
 Pred. No.: 1,91e-60 Length: 725
 Score: 550.00 Matches: 104
 Percent Similarity: 97.32% Conservative: 5
 Best Local Similarity: 92.86% Mismatches: 3
 Query Match: 93.70% Indels: 0
 DB: 2 Gaps: 0

US-09-724-409-2 (1-112) x US-08-224-591-11 (1-725)

QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
 Db 1 GAGCTGTTATGACTCAGACACCACTATCACTTCCTGTAGTCTAGGTCAAGCTCC 60
 QY 21 IleSerCysArgSerGlnSerLeuValHisSerAsnGlyValThrPheLeuHisTrp 40
 Db 61 ATCTCTTGAGATCTAGTCAGACCTTTGACAGTAATGGAACACCTATTACGTGG 120
 QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuIleTyrThrValSerAsnArgPhe 60
 Db 121 TACCTCGAGAAGCCAGGCCAGTCTCCAAAGTCTCTGATCTACAAAGTTTCCACCGATT 180
 QY 61 SerGlyValProAspArgPheSerGlySerGlySerGlyThrAspPheThrLeuLysIle 80
 Db 181 TCTGGGTCCTCCAGACAGGTTTCAGTGGCAGTGGATCAGGACAGATTTCACACTCAAGATC 240
 QY 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrThrHisValPro 100
 Db 241 AGCAGAGTGAGGCTGAGATCTGGGAGTTATTTCTGCTCTCAAGATCACATGTTCCG 300
 QY 101 TrpThrPheGlyGlyThrLysLeuGluIleGln 112
 Db 301 TGGACCTCGGTGGAGCCAAAGCTTGAATCAAA 336

RESULT 2

US-08-392-338A-20
 Sequence 20, Application US/08392338A
 Patent No. 589620

GENERAL INFORMATION:
 APPLICANT: Whitlow, Marc
 APPLICANT: Wood, James F.
 APPLICANT: Hardman, Karl
 APPLICANT: Bird, Robert
 APPLICANT: Filpula, David

TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
 NUMBER OF SEQUENCES: 23
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 STREET: 1100 New York Avenue, NW
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20005

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/392,338A
 FILING DATE: 22-FEB-1995

CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/989,846
 FILING DATE: 20-NOV-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/796,936
 FILING DATE: 25-NOV-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Goldstein, Jorge A.
 REGISTRATION NUMBER: 29,021
 REFERENCE/DOCKET NUMBER: 0977.0030007
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 20:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 725 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: both
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..714
 US-08-392-338A-20

Alignment Scores:
 Pred. No.: 1,91e-60 Length: 725
 Score: 550.00 Matches: 104
 Percent Similarity: 97.32% Conservative: 5
 Best Local Similarity: 92.86% Mismatches: 3
 Query Match: 93.70% Indels: 0
 DB: 2 Gaps: 0

US-09-724-409-2 (1-112) x US-08-392-338A-20 (1-725)

QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
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 QY 21 IleSerCysArgSerGlnSerLeuValHisSerAsnGlyValThrPheLeuHisTrp 40
 Db 61 ATCTCTTGAGATCTAGTCAGACCTTTGACAGTAATGGAACACCTATTACGTGG 120
 QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuIleTyrThrValSerAsnArgPhe 60
 Db 121 TACCTCGAGAAGCCAGGCCAGTCTCCAAAGTCTCTGATCTACAAAGTTTCCACCGATT 180
 QY 61 SerGlyValProAspArgPheSerGlySerGlySerGlyThrAspPheThrLeuLysIle 80
 Db 181 TCTGGGTCCTCCAGACAGGTTTCAGTGGCAGTGGATCAGGACAGATTTCACACTCAAGATC 240
 QY 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrThrHisValPro 100
 Db 241 AGCAGAGTGAGGCTGAGATCTGGGAGTTATTTCTGCTCTCAAGATCACATGTTCCG 300
 QY 101 TrpThrPheGlyGlyThrLysLeuGluIleGln 112
 Db 301 TGGACCTCGGTGGAGCCAAAGCTTGAATCAAA 336

RESULT 3

US-08-926-789-11

Sequence 11, Application US/08926789
 Patent No. 590275

GENERAL INFORMATION:

APPLICANT: Whitlow, Marc
 APPLICANT: Filpula, David
 TITLE OF INVENTION: Linker For Linked Fusion Polypeptides
 NUMBER OF SEQUENCES: 25
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sterne, Kessler, Goldstein & Fox
 STREET: 1100 New York Avenue, Suite 600
 CITY: Washington
 STATE: D.C.

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/ COUNTRY: U.S.A.
/ ZIP: 20005
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/926,789
/ FILING DATE:
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: 08/224,591
/ FILING DATE:
/ APPLICATION NUMBER: US 08/002,845
/ FILING DATE: 15-JAN-1993
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/980,529
/ FILING DATE: 20-NOV-1992
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Goldstein, Jorge A.
/ REGISTRATION NUMBER: 29,021
/ REFERENCE/DOCKET NUMBER: 0977.1920002/JAG
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (202) 371-2600
/ TELEFAX: (202) 371-2540
/ INFORMATION FOR SEQ ID NO: 11:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 725 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: both
/ TOPOLOGY: both
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: join(1..714)
/ US-08-926-789-11

Alignment Scores:
Pred. No.: 1,91e-60 Length: 725
Score: 550.00 Matches: 104
Percent Similarity: 97.32% Conservative: 5
Best Local Similarity: 92.86% Mismatches: 3
Query Match: 93.70% Indels: 0
DB: 2 Gaps: 0

US-09-724-409-2 (1-112) x US-08-926-789-11 (1-725)

QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
Db 1 GACGTCGTTATGACTCAGACACCACTATCTCTCTGTAGTGTAGTCAAGCCTCC 60
QY 21 IleSerCysArgSerGlnSerLeuValHisSerAsnGlyAsnThrPheLeuHisTrp 40
Db 61 ATCTCTTCAGATCTAGTCAGAGGCTTGACAGTATGGAACACCTATTACGTGG 120
QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuIleYrThrValSerAsnArgPhe 60
Db 121 TACCTGCAGAGCCAGGCGAGTCTCCAAAGGCTCTGATCTACAAAGTTTCCACCGATT 180
QY 61 SerGlyValProAspArgPheSerGlySerGlyThrAspPheThrLeuLysIle 80
Db 181 TCTGGGTCCACAGACAGGTTTCAGTGGCAGTGGATCAGGAGCAGATTTCCACTCAAGATC 240
QY 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrThrHisValPro 100
Db 241 AGCAGTGGAGGCTGAGGATCTGGAGTTATTTCCTCTCTCAAGATACACATGTTCCG 300
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Db 301 TGGAGTTTCGGTGGAGGACCAAGCTTGAATCAA 336

RESULT 4
US-09-166-750-20

/ Sequence 20, Application US/09166750
/ Patent No. 6025165
/ GENERAL INFORMATION:
/ APPLICANT: Whitlow, Marc
/ APPLICANT: Wood, James F.
/ APPLICANT: Hardman, Karl
/ APPLICANT: Bird, Robert
/ APPLICANT: Filpula, David
/ APPLICANT: Rollence, Michelle
/ TITLE OF INVENTION: Methods for Producing Multivalent Antigen-Binding
/ NUMBER OF SEQUENCES: 23
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
/ STREET: 1100 New York Avenue, NW
/ CITY: Washington
/ STATE: D.C.
/ COUNTRY: U.S.A.
/ ZIP: 20005
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Floppy disk
/ COMPUTER: IBM PC compatible
/ OPERATING SYSTEM: PC-DOS/MS-DOS
/ SOFTWARE: Patent In Release #1.0, Version #1.25
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/09/166,750
/ FILING DATE: Herewith
/ CLASSIFICATION:
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 08/392,338
/ FILING DATE: 22-FEB-1995
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/989,846
/ FILING DATE: 20-NOV-1992
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER: US 07/796,936
/ FILING DATE: 25-NOV-1991
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Goldstein, Jorge A.
/ REGISTRATION NUMBER: 29,021
/ REFERENCE/DOCKET NUMBER: 0977.003000C
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: (202) 371-2600
/ TELEFAX: (202) 371-2540
/ INFORMATION FOR SEQ ID NO: 20:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 725 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: both
/ TOPOLOGY: both
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: 1..714
/ US-09-166-750-20

Alignment Scores:
Pred. No.: 1,91e-60 Length: 725
Score: 550.00 Matches: 104
Percent Similarity: 97.32% Conservative: 5
Best Local Similarity: 92.86% Mismatches: 3
Query Match: 93.70% Indels: 0
DB: 3 Gaps: 0

US-09-724-409-2 (1-112) x US-09-166-750-20 (1-725)

QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
Db 1 GACGTCGTTATGACTCAGACACCACTATCTCTCTGTAGTGTAGTCAAGCCTCC 60
QY 21 IleSerCysArgSerGlnSerLeuValHisSerAsnGlyAsnThrPheLeuHisTrp 40
Db 61 ATCTCTTCAGATCTAGTCAGAGGCTTGACAGTATGGAACACCTATTACGTGG 120
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QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuLeuTyrThrValSerAsnArgPhe 60
 Db 121 TACCTGCAAGCCAGGCGAGTCTCAAAAGGTCCTGATCTACAAAGTTTCCAAACCGATT 180
 QY 61 SerGlyValProAspArgPheSerGlySerGlySerGlyThrAspPheThrLeuLysIle 80
 Db 181 TCTGGGGTCCACAGAGGTTCACTGGCAGTGGATCAGGACAGATTTCACACTCAAGATC 240
 QY 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrThrHisValPro 100
 Db 241 AGCAGAGTGGAGGCTCAGGATCTGGGAGTTATTCTCTCAAAAGTACACATGTTCCG 300
 QY 101 TrpThrPheGlyGlyThrLysLeuGluLeuGln 112
 Db 301 TGGACGTTGGTGGAGCCACCAAGCTTGAATCATA 336

RESULT 5

US-09-166-093-20
 ; Sequence 20, Application US/09166093
 ; Patent No. 602725
 ; GENERAL INFORMATION:
 ; APPLICANT: Whitlow, Marc
 ; APPLICANT: Wood, James F.
 ; APPLICANT: Hardman, Karl
 ; APPLICANT: Bird, Robert
 ; APPLICANT: Filpula, David
 ; APPLICANT: Rollence, Michelle
 ; TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
 ; NUMBER OF SEQUENCES: 23
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 ; STREET: 1100 New York Avenue, NW
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: U.S.A.
 ; ZIP: 20005

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/166,093
 FILING DATE: Herewith
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/392,338
 FILING DATE: 22-FEB-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/989,846
 FILING DATE: 20-NOV-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/796,936
 FILING DATE: 25-NOV-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Goldstein, Jorge A.
 REGISTRATION NUMBER: 29,021
 REFERENCE/DOCKET NUMBER: 0977.003000B
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 20:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 725 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: both
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..714
 US-09-166-093-20

Alignment Scores:

Prod. No.: 1.91e-60 Length: 725
 Score: 550.00 Matches: 104
 Percent Similarity: 97.32% Conservative: 5
 Best Local Similarity: 92.86% Mismatches: 3
 Query Match: 93.70% Indels: 0
 DB: 3 Gaps: 0
 US-09-724-409-2 (1-112) x US-09-166-093-20 (1-725)
 QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
 Db 1 GAGTCGTTATGACTCAGACACCACTATCATCTCTCTGTAGTCTAGGTGATCAAGCCTCC 60
 QY 21 IleSerCysArgSerSerGlnSerLeuValHisSerAsnGlyAsnThrPheLeuHisTrp 40
 Db 61 ATCTCTTCAGATCTAGTCAGAGCCCTGTACACAGTAATGGAACACCACTATTACGTTGG 120
 QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuTyrThrValSerAsnArgPhe 60
 Db 121 TACCTGCAAGCCAGGCGAGTCTCAAAAGGTCCTGATCTACAAAGTTTCCAAACCGATT 180
 QY 61 SerGlyValProAspArgPheSerGlySerGlySerGlyThrAspPheThrLeuLysIle 80
 Db 181 TCTGGGGTCCACAGAGGTTCACTGGCAGTGGATCAGGACAGATTTCACACTCAAGATC 240
 QY 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrThrHisValPro 100
 Db 241 AGCAGAGTGGAGGCTCAGGATCTGGGAGTTATTCTCTCAAAAGTACACATGTTCCG 300
 QY 101 TrpThrPheGlyGlyThrLysLeuGluLeuGln 112
 Db 301 TGGACGTTGGTGGAGCCACCAAGCTTGAATCATA 336
 RESULT 6
 US-09-172-019-20
 ; Sequence 20, Application US/09172019
 ; Patent No. 610389
 ; GENERAL INFORMATION:
 ; APPLICANT: Whitlow, Marc
 ; APPLICANT: Hardman, Karl
 ; APPLICANT: Bird, Robert
 ; APPLICANT: Filpula, David
 ; TITLE OF INVENTION: Nucleic Acid Molecules Encoding Single-Chain
 ; FILING DATE: Herewith
 ; NUMBER OF SEQUENCES: 23
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 ; STREET: 1100 New York Avenue, NW
 ; CITY: Washington
 ; STATE: D.C.
 ; COUNTRY: U.S.A.
 ; ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent In Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/172,019
 FILING DATE: Herewith
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/392,338
 FILING DATE: 22-FEB-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/989,846
 FILING DATE: 20-NOV-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/796,936
 FILING DATE: 25-NOV-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Goldstein, Jorge A.
 REGISTRATION NUMBER: 29,021
 REFERENCE/DOCKET NUMBER: 0977.003000B
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 20:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 725 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: both
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..714
 US-09-166-093-20

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; REFERENCE/DOCKET NUMBER: 0977.003000D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 725 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..714
US-09-172-019-20

Alignment Scores:
Pred. No.: 1,918-60 Length: 725
Score: 550.00 Matches: 104
Percent Similarity: 97.32% Conservative: 5
Best Local Similarity: 92.86% Mismatches: 3
Query Match: 93.70% Indels: 0
DB: 3 Gaps: 0

US-09-724-409-2 (1-112) x US-09-172-019-20 (1-725)

QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
Db 1 GAGTCGTTATGACTACACACCACTATCATCTCTGTTAGTCTAGTGTATCAAGCTCC 60

QY 21 IleSerCysArgSerGlnSerLeuValHisSerAsnGlyAsnThrPheLeuHisTrp 40
Db 61 ATCTCTTGCAATCTAGTCAGAGCCTTGACACAGTAATGGAACACACCTATTACGTTGG 120

QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuIleTyrThrValSerAsnArgPhe 60
Db 121 TACCTGCAGAGCCAGGCCAGTCTCCAAAGGTCCTGATCTACAAAGTTTCCACCGATT 180

QY 61 SerGlyValProAspArgPheSerGlySerGlyThrAspPheThrLeuLysIle 80
Db 181 TCTGGGTCCACAGACAGGTTTCAGTGGCAGTGGATCAGGACAGATTTCCACTCAAGATC 240

QY 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrThrHisValPro 100
Db 241 AGCAGAGTGGAGGCTGAGGATCTGGGAGTTTATTTCTGCTCAAAAGTACACATGTTCCG 300

QY 101 TrpThrPheGlyGlyThrLysLeuGluIleGln 112
Db 301 TGGACGTTCCGTTGGAGGCCACCAAGCTTGAAATCAAA 336

RESULT 7
US-09-166-094-20
; Sequence 20, Application US/09166094
; Patent No. 6121424
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Wood, James F.
; APPLICANT: Hardman, Karl
; APPLICANT: Bird, Robert
; APPLICANT: Filpula, David
; APPLICANT: Rollence, Michelle
; TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESS: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS

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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/166,094
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/392,338
; FILING DATE: 22-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/989,846
; FILING DATE: 20-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/796,936
; FILING DATE: 25-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0977.003000A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 725 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..714
US-09-166-094-20

Alignment Scores:
Pred. No.: 1,918-60 Length: 725
Score: 550.00 Matches: 104
Percent Similarity: 97.32% Conservative: 5
Best Local Similarity: 92.86% Mismatches: 3
Query Match: 93.70% Indels: 0
DB: 3 Gaps: 0

US-09-724-409-2 (1-112) x US-09-166-094-20 (1-725)

QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
Db 1 GAGTCGTTATGACTACACACCACTATCATCTCTGTTAGTCTAGTGTATCAAGCTCC 60

QY 21 IleSerCysArgSerGlnSerLeuValHisSerAsnGlyAsnThrPheLeuHisTrp 40
Db 61 ATCTCTTGCAATCTAGTCAGAGCCTTGACACAGTAATGGAACACACCTATTACGTTGG 120

QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuIleTyrThrValSerAsnArgPhe 60
Db 121 TACCTGCAGAGCCAGGCCAGTCTCCAAAGGTCCTGATCTACAAAGTTTCCACCGATT 180

QY 61 SerGlyValProAspArgPheSerGlySerGlyThrAspPheThrLeuLysIle 80
Db 181 TCTGGGTCCACAGACAGGTTTCAGTGGCAGTGGATCAGGACAGATTTCCACTCAAGATC 240

QY 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrThrHisValPro 100
Db 241 AGCAGAGTGGAGGCTGAGGATCTGGGAGTTTATTTCTGCTCAAAAGTACACATGTTCCG 300

QY 101 TrpThrPheGlyGlyThrLysLeuGluIleGln 112
Db 301 TGGACGTTCCGTTGGAGGCCACCAAGCTTGAAATCAAA 336

RESULT 8
US-09-443-213-20
; Sequence 20, Application US/09443213
; Patent No. 6515110
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Wood, James F.

```


APPLICANT: Hardman, Karl
APPLICANT: Bird, Robert
APPLICANT: Filpula, David
APPLICANT: Rollence, Michelle
TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, NW
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/443,213
FILING DATE: Herewith

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/166,094
FILING DATE: 05-OCT-1998

APPLICATION DATA:
APPLICATION NUMBER: US 08/392,338
FILING DATE: 22-FEB-1995

APPLICATION DATA:
APPLICATION NUMBER: US 07/989,846
FILING DATE: 20-NOV-1992

APPLICATION DATA:
APPLICATION NUMBER: US 07/796,936
FILING DATE: 25-NOV-1991

ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021

REFERENCE/DOCKET NUMBER: 0977.003000E
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540

INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 725 base pairs
TYPE: nucleic acid

STRANDEDNESS: both
TOPOLOGY: both
FEATURE:
NAME/KEY: CDS

LOCATION: 1..714
US-09-443-213-20

Alignment Scores:
Pred. No.: 1,91e-60 Length: 725
Score: 550.00 Matches: 104
Percent Similarity: 97.32% Conservative: 5
Best Local Similarity: 92.86% Mismatches: 3
Query Match: 93.70% Indels: 0
DB: 4 Gaps: 0

US-09-724-409-2 (1-112) x US-09-443-213-20 (1-725)

QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
Db 1 GAGTCGTTATGACTCAGACACCACTATCACTTCCTGTAGTCTAGTGATCAAGCTCC 60

QY 21 IleSerCysArgSerGlnSerLeuValHisSerAsnGlySerThrPheLeuHisTrp 40
Db 61 ATCTCTGTCAGATCTAGTCAGAGCTTGTACAGTAATGGAACACCTATTACGTTGG 120

QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuIleTyrThrValSerAsnArgPhe 60
Db 121 TACTCGAGAGCCAGCCAGTCTCCAAAGTCTCTGATCTACAAAGTTCCAAACCGATT 180

QY 61 SerGlyValProAspArgPheSerGlySerGlyThrAspPheThrLeuLysIle 80
Db 181 TCTGGGGTCCACACAGGTTTCAGTGGCAGTGGACAGATTCACACTCAAGATC 240
QY 81 SerArgValGluAlaGluPheLeuGlyValTyrPheCysSerGlnThrThrHisValPro 100
Db 241 AGCAGAGTGGAGGCTGAGGATCTGGGAGTTATTTCTGCTCTCAAAGTACACATGTTCCG 300
QY 101 TrpThrPheGlyGlyThrLysLeuGluIleGln 112
Db 301 TGGACGTTGCTGGAGGACCAAGCTTGAATCAAA 336

RESULT 9

PCT-US93-11138-11
Sequence 11, Application PC/TUS9311138
GENERAL INFORMATION:
APPLICANT: Enzon, Inc.
TITLE OF INVENTION: Linker For Linked Fusion Polypeptides
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox
STREET: 1100 New York Avenue, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005-3934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11138
FILING DATE: Herewith

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/980,529
FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/002,845
FILING DATE: 15-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.2006604/JAG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 725 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
FEATURE:
NAME/KEY: CDS
LOCATION: 1..723
PCT-US93-11138-11

Alignment Scores:
Pred. No.: 1,91e-60 Length: 725
Score: 550.00 Matches: 104
Percent Similarity: 97.32% Conservative: 5
Best Local Similarity: 92.86% Mismatches: 3
Query Match: 93.70% Indels: 0
DB: 5 Gaps: 0

US-09-724-409-2 (1-112) x PCT-US93-11138-11 (1-725)

QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
Db 1 GAGTCGTTATGACTCAGACACCACTATCACTTCCTGTAGTCTAGTGATCAAGCTCC 60

QY 21 IleSerCysArgSerGlnSerLeuValHisSerAsnGlyValThrPheLeuHisTrp 40
DB 61 ATCTCTGCAGATCTAGTCAGAGCCTTGACAGATAATGGAACACCTATTACGTTGG 120
QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuIleTyrThrValSerAsnArgPhe 60
DB 121 TACCTGCAGAGCCAGGCCAGTCTCCAAAGGTCCTGATCTACAAAGTTTCCAAACCGATT 180
QY 61 SerGlyValProAspArgPheSerGlySerGlySerGlyThrAspPheThrLeuLysle 80
DB 181 TCTGGGGTCCAGACAGAGTTAGTGGCAGTGGATCAGGACAGATTTCACACTCAAGATC 240
QY 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrHisValPro 100
DB 241 AGCAGAGTGGAGGCTGAGATCTGGAGTTATTCTGCTCTCAAGTACACATGTTCCG 300
QY 101 TrpThrPheGlyGlyThrLysLeuGluLeuGln 112
DB 301 TGGACGTTCCGTTGGAGGCCAACGCTTGAAATCAAA 336
RESULT 10
US-08-392-338A-10
; Sequence 10, Application US/08392338A
; Patent No. 5869620
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Wood, James F.
; APPLICANT: Hardman, Karl
; APPLICANT: Bird, Robert
; APPLICANT: Filpula, David
; TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/392,338A
; FILING DATE: 22-FEB-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/989,846
; FILING DATE: 20-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/796,936
; FILING DATE: 25-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0977.0030007
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 731 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..720
US-08-392-338A-10

Alignment Scores:
Pred. No.: 1,93e-60 Length: 731
Score: 550.00 Matches: 104
Percent Similarity: 97.32% Conservative: 5
Best Local Similarity: 92.86% Mismatches: 3
Query Match: 93.70% Indels: 0
DB: 2 Gaps: 0
US-09-724-409-2 (1-112) x US-08-392-338A-10 (1-731)
QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyValAlaGlnAlaSer 20
DB 1 GACCTCGTTATGACTACAGACACCACTATCACTTCTCTGTAGTCTAGGTGATCAAGCCTCC 60
QY 21 IleSerCysArgSerGlnSerLeuValHisSerAsnGlyValThrPheLeuHisTrp 40
DB 61 ATCTCTGCAGATCTAGTCAGAGCCTTGACAGATAATGGAACACCTATTACGTTGG 120
QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuIleTyrThrValSerAsnArgPhe 60
DB 121 TACCTGCAGAGCCAGGCCAGTCTCCAAAGGTCCTGATCTACAAAGTTTCCAAACCGATT 180
QY 61 SerGlyValProAspArgPheSerGlySerGlySerGlyThrAspPheThrLeuLysle 80
DB 181 TCTGGGGTCCAGACAGAGTTAGTGGCAGTGGATCAGGACAGATTTCACACTCAAGATC 240
QY 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrHisValPro 100
DB 241 AGCAGAGTGGAGGCTGAGATCTGGAGTTATTCTGCTCTCAAGTACACATGTTCCG 300
QY 101 TrpThrPheGlyGlyThrLysLeuGluLeuGln 112
DB 301 TGGACGTTCCGTTGGAGGCCAACGCTTGAAATCAAA 336
RESULT 11
US-09-166-750-10
; Sequence 10, Application US/09166750
; Patent No. 6025165
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Wood, James F.
; APPLICANT: Hardman, Karl
; APPLICANT: Bird, Robert
; APPLICANT: Filpula, David
; APPLICANT: Rollence, Michelle
; TITLE OF INVENTION: Methods for Producing Multivalent Antigen-Binding
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/166,750
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/392,338
; FILING DATE: 22-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/989,846
; FILING DATE: 20-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/796,936
; FILING DATE: 25-NOV-1991

ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.003000C
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 10:
LENGTH: 731 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
FEATURE:
NAME/KEY: CDS
LOCATION: 1..720
US-09-166-750-10

Alignment Scores:
Pred. No.: 1.93e-60 Length: 731
Score: 550.00 Matches: 104
Percent Similarity: 97.32% Conservative: 5
Best Local Similarity: 92.86% Mismatches: 3
Query Match: 93.70% Indels: 0
DB: 3 Gaps: 0

US-09-724-409-2 (1-112) x US-09-166-750-10 (1-731)

QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
Db 1 GACGCGTTATGACTCAGACACCATCTCTCTGTTAGTCTAGGTGATCAAGCCTCC 60
QY 21 IleSerCysArgSerGlnSerLeuValHisSerAsnGlyValThrPheLeuHisTrp 40
Db 61 ATCTCTTCAGATCTAGTCAGAGCCTTGTACACAGTAATGGAACACCTATTACGTTGG 120
QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuLeuTyrThrValSerAsnArgPhe 60
Db 121 TACCTCAGAAAGCCAGCCAGTCCTCAAAAGTCTCTGATCTCAAAAGTTTCCAACCGATT 180
QY 61 SerGlyValProAspArgPheSerGlySerGlySerGlyThrAspPheThrLeuLysIle 80
Db 181 TCTGGGTTCCAGACAGGTTTCAGTGGCAGTGGATCAGGACAGATTCACCTCAAGATC 240
QY 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrHisValPro 100
Db 241 AGCAGAGTGGAGGCTGAGGATCTGGAGTTTATTCTCTCTCAAAAGTCTCAAAAGTCTCG 300

RESULT 12
US-09-166-093-10
Sequence 10, Application US/09166093
Patent No. 602725
GENERAL INFORMATION:
APPLICANT: Whitlow, Marc
APPLICANT: Wood, James F.
APPLICANT: Hardman, Karl
APPLICANT: Bird, Robert
APPLICANT: Filpula, David
APPLICANT: Rollence, Michelle
TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
STREET: 1100 New York Avenue, NW
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/166,093
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/392,338
FILING DATE: 22-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/989,846
FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/796,936
FILING DATE: 25-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.003000B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 10:
LENGTH: 731 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
FEATURE:
NAME/KEY: CDS
LOCATION: 1..720
US-09-166-093-10

Alignment Scores:
Pred. No.: 1.93e-60 Length: 731
Score: 550.00 Matches: 104
Percent Similarity: 97.32% Conservative: 5
Best Local Similarity: 92.86% Mismatches: 3
Query Match: 93.70% Indels: 0
DB: 3 Gaps: 0

US-09-724-409-2 (1-112) x US-09-166-093-10 (1-731)

QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
Db 1 GACGCGTTATGACTCAGACACCATCTCTCTGTTAGTCTAGGTGATCAAGCCTCC 60
QY 21 IleSerCysArgSerGlnSerLeuValHisSerAsnGlyValThrPheLeuHisTrp 40
Db 61 ATCTCTTCAGATCTAGTCAGAGCCTTGTACACAGTAATGGAACACCTATTACGTTGG 120
QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuLeuTyrThrValSerAsnArgPhe 60
Db 121 TACCTCAGAAAGCCAGCCAGTCCTCAAAAGTCTCTGATCTCAAAAGTTTCCAACCGATT 180
QY 61 SerGlyValProAspArgPheSerGlySerGlySerGlyThrAspPheThrLeuLysIle 80
Db 181 TCTGGGTTCCAGACAGGTTTCAGTGGCAGTGGATCAGGACAGATTCACCTCAAGATC 240
QY 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrHisValPro 100
Db 241 AGCAGAGTGGAGGCTGAGGATCTGGAGTTTATTCTCTCTCAAAAGTCTCAAAAGTCTCG 300

RESULT 13
US-09-172-019-10
Sequence 10, Application US/09172019
Patent No. 6103889

GENERAL INFORMATION:
 APPLICANT: Whitlow, Marc
 APPLICANT: Hardman, Karl
 APPLICANT: Bird, Robert
 APPLICANT: Filpula, David
 TITLE OF INVENTION: Nucleic Acid Molecules Encoding Single-Chain
 Antigen-Binding Proteins (As Amended)
 NUMBER OF SEQUENCES: 23
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 STREET: 1100 New York Avenue, NW
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/172,019
 FILING DATE: Herewith
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/392,338
 FILING DATE: 22-FEB-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/989,846
 FILING DATE: 20-NOV-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/796,936
 FILING DATE: 25-NOV-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Goldstein, Jorge A.
 REGISTRATION NUMBER: 29,021
 REFERENCE/DOCKET NUMBER: 0977.003000D
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 731 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: both
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..720
 US-09-172-019-10

Alignment Scores:
 Pred. No.: 1.93e-60 Length: 731
 Score: 550.00 Matches: 104
 Percent Similarity: 97.32% Conservative: 5
 Best Local Similarity: 92.86% Mismatches: 3
 Query Match: 93.70% Indels: 0
 DB: 3 Gaps: 0

US-09-724-409-2 (1-112) x US-09-172-019-10 (1-731)

Qy 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGluAlaSer 20
 Db 1 GAGTCGTATCACTCAGACACCACTATCACTTCTGTAGTCTAGGTGATCAGCCTCC 60
 Qy 21 IleSerCysArgSerSerGlnSerLeuValHisSerAsnGlyAsnThrPheLeuHisTrp 40
 Db 61 ATCTCTGCAGATCTAGTCAGAGCCTTGTACACAGTAATGGAACACCTATTACGTTGG 120
 Qy 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuLleTyrThrValSerAsnArgPhe 60
 Db 121 TACCTGCAGAACCCAGCCGCTCTCCAAAGGTCTCTGATCTCAAAAGTTTCCAAACGATT 180

Qy 61 SerGlyValProAspArgPheSerGlySerGlyThrAspPheThrLeuLysile 80
 Db 181 TCTGGGGTCCACACAGGTTTCAGTGGCAGTGGATCAGGACAGATTCACACTCAAGATC 240
 Qy 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrHisValPro 100
 Db 241 AGACAGAGTGGAGGCTGAGGATCTGGGAGTTTATTCTGCTCTCAAGATACACATGTTCCG 300
 Qy 101 TrpThrPheGlyGlyThrLysLeuGluLeuGln 112
 Db 301 TGGACGTTGGTGGAGGCACCAAGCTTGAATCAAA 336

RESULT 14

US-09-166-094-10
 Sequence 10, Application US/09166094
 Patent No. 6121424
 GENERAL INFORMATION:
 APPLICANT: Whitlow, Marc
 APPLICANT: Wood, James F.
 APPLICANT: Hardman, Karl
 APPLICANT: Bird, Robert
 APPLICANT: Filpula, David
 APPLICANT: Rollence, Michelle
 TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
 NUMBER OF SEQUENCES: 23
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
 STREET: 1100 New York Avenue, NW
 CITY: Washington
 STATE: D.C.
 COUNTRY: U.S.A.
 ZIP: 20005
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/166,094
 FILING DATE: Herewith
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/392,338
 FILING DATE: 22-FEB-1995
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/989,846
 FILING DATE: 20-NOV-1992
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/796,936
 FILING DATE: 25-NOV-1991
 ATTORNEY/AGENT INFORMATION:
 NAME: Goldstein, Jorge A.
 REGISTRATION NUMBER: 29,021
 REFERENCE/DOCKET NUMBER: 0977.003000A
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (202) 371-2600
 TELEFAX: (202) 371-2540
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 731 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: both
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 1..720
 US-09-166-094-10

Alignment Scores:
 Pred. No.: 1.93e-60 Length: 731
 Score: 550.00 Matches: 104
 Percent Similarity: 97.32% Conservative: 5
 Best Local Similarity: 92.86% Mismatches: 3

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Query Match: 93.70% Indels: 0
DB: 3 Gaps: 0
US-09-724-409-2 (1-112) x US-09-166-094-10 (1-731)
QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
DB 1 GAGCTCGTTATGACTCAGACACCACTATCACTTCCTGTTAGTCTAGGTGATCAAGCCTCC 60
QY 21 IleSerCysArgSerGlnSerLeuValHisSerAsnGlyAsnThrPheLeuHisTrp 40
DB 61 ATCTCTTCAGATCTAGTCAGAGCTTGTACACAGTAATGGAACACCTATTTACGTTGG 120
QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuLeuTyrThrValSerAsnArgPhe 60
DB 121 TACCTGCAGAAGCCAGGCCAGTCTCCAAAGTCTCTGATCTACAAAGTTTCCACCCGATT 180
QY 61 SerGlyValProAspArgPheSerGlySerGlyThrAspPheThrLeuLysIle 80
DB 181 TCTGGGTCTCCAGACAGGTTTCAGTGGCAGTGGATCAGGACAGATTTTCACACTCAAGATC 240
QY 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrThrHisValPro 100
DB 241 AGCAGAGTGGAGCTGAGGATCTGGGAGTTTATTTCTGCTCTCAAGATACACATGTTCCG 300
QY 101 TrpThrPheGlyGlyThrLysLeuGluLeuGln 112
DB 301 TGGACGTTCCGTGGAGGACCAGCTTGAATCAAA 336
RESULT 15
US-09-443-213-10
; Sequence 10, Application US/09443213
; Patent No. 6515110
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Wood, James F.
; APPLICANT: Hardman, Karl
; APPLICANT: Bird, Robert
; APPLICANT: Filpula, David
; APPLICANT: Rollence, Michelle
; TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/443,213
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/166,094
; FILING DATE: 05-OCT-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/392,338
; FILING DATE: 22-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/989,846
; FILING DATE: 20-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/796,936
; FILING DATE: 25-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
```

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; REFERENCE/DOCKET NUMBER: 0977.003000E
; TELECOMMUNICATION INFORMATION:
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```
; TELEPHONE: (202) 371-2600
```

```
; TELEFAX: (202) 371-2540
```

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; INFORMATION FOR SEQ ID NO: 10:
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; SEQUENCE CHARACTERISTICS:
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; LENGTH: 731 base pairs
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```
; TYPE: nucleic acid
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```
; STRANDEDNESS: both
```

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; TOPOLOGY: both
```

```
; FEATURE:
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; NAME/KEY: CDS
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; LOCATION: 1..720
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; US-09-443-213-10
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Alignment Scores:
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Pred. No.: 1.93e-60 Length: 731
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Score: 550.00 Matches: 104
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Percent Similarity: 97.32% Conservative: 5
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Best Local Similarity: 92.86% Mismatches: 3
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Query Match: 93.70% Indels: 0
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```
DB: 4 Gaps: 0
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US-09-724-409-2 (1-112) x US-09-443-213-10 (1-731)
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QY 1 AspValValThrGlnThrProLeuSerLeuProValSerLeuGlyAlaGlnAlaSer 20
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DB 1 GAGCTCGTTATGACTCAGACACCACTATCACTTCCTGTTAGTCTAGGTGATCAAGCCTCC 60
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```
QY 21 IleSerCysArgSerGlnSerLeuValHisSerAsnGlyAsnThrPheLeuHisTrp 40
```

```
DB 61 ATCTCTTCAGATCTAGTCAGAGCTTGTACACAGTAATGGAACACCTATTTACGTTGG 120
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QY 41 TyrLeuGlnLysProGlyGlnSerProLysLeuLeuLeuTyrThrValSerAsnArgPhe 60
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DB 121 TACCTGCAGAAGCCAGGCCAGTCTCCAAAGTCTCTGATCTACAAAGTTTCCACCCGATT 180
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QY 61 SerGlyValProAspArgPheSerGlySerGlyThrAspPheThrLeuLysIle 80
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DB 181 TCTGGGTCTCCAGACAGGTTTCAGTGGCAGTGGATCAGGACAGATTTTCACACTCAAGATC 240
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QY 81 SerArgValGluAlaGluAspLeuGlyValTyrPheCysSerGlnThrThrHisValPro 100
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DB 241 AGCAGAGTGGAGCTGAGGATCTGGGAGTTTATTTCTGCTCTCAAGATACACATGTTCCG 300
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QY 101 TrpThrPheGlyGlyThrLysLeuGluLeuGln 112
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DB 301 TGGACGTTCCGTGGAGGACCAGCTTGAATCAAA 336
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Search completed: May 13, 2004, 07:58:48
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Job time : 64.4779 secs
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; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-137-117D-27

Query Match      81.3%; Score 496; DB 1; Length 135;
Best Local Similarity 81.9%; Pred. No. 6e-41;
Matches 95; Conservative 7; Mismatches 12; Indels 2; Gaps 1;

QY   1 EVLQQSGPDLVKPGASVKSCKASGYSTGYYIHWKQSHGSKSLEWIGRVPNNGGTSY 60
    :|||||:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db   20 EIQLOQSGPELMKPGASVKISCKASGYSTSYIIHWKQSHGSKSLEWIGIDPPNGGTSY 79
    :|||||:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:

QY   61 NOKFKGKATLTVDKSSSTAYMELSLTSDSAVVYCAREG--IYWGHGTTLTVSS 114
    :|||||:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db   80 NOKFKGKATLTVDKSSSTAYMHLSSLTSDSAVVYCARGGNRFAYWGQTLLVTVA 135
    :|||||:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:

RESULT 2
US-08-436-717-27
; Sequence 27, Application US/08436717
; Patent No. 5817790
; GENERAL INFORMATION:
; APPLICANT: TSUCHIYA, Masayuki
; APPLICANT: SATO, Koh
; APPLICANT: BENDIG, Mary
; APPLICANT: JONES, Steven
; APPLICANT: SALDANHA, Jose
TITLE OF INVENTION: RESHAPED HUMAN ANTIBODY TO HUMAN
TITLE OF INVENTION: INTERLEUKIN-6 RECEPTOR
NUMBER OF SEQUENCES: 158
CORRESPONDENCE ADDRESS:
ADDRESSEE: Foley & Lardner
STREET: 3000 K Street, N.W., Suite 500
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20007-5109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/436,717
FILING DATE:
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/137,117
FILING DATE: 20-DEC-1993
APPLICATION NUMBER: WO PCT/JP92/00544
FILING DATE: 24-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 4-32084
FILING DATE: 19-FEB-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 3-95476
FILING DATE: 25-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: WEGNER, Harold C.
REGISTRATION NUMBER: 25,258
REFERENCE/DOCKET NUMBER: 53466/126/AOOK
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)672-5300
TELEFAX: (202)672-5399
TELEX: 904136
INFORMATION FOR SEQ ID NO.: 27:
SEQUENCE CHARACTERISTICS:
LENGTH: 135 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-436-717-27

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IDENTIFICATION METHOD: CONSENSUS
OTHER INFORMATION: /product= "HYPERVARIABLE REGION 2"
FEATURE:
NAME/KEY: domain
LOCATION: 99..107
IDENTIFICATION METHOD: BY SIMILARITY
IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
IDENTIFICATION METHOD: CONSENSUS
OTHER INFORMATION: /product= "HYPERVARIABLE REGION 3"
US-08-116-778E-3

Query Match 80.0%; Score 488; DB 2; Length 137;
Best Local Similarity 79.7%; Pred. No. 3.7e-40;
Matches 94; Conservative 7; Mismatches 13; Indels 4; Gaps 1;
QY 1 EVLQQSGPDLVKPGASVKISKASGYSTGYIHWKQSHGKSLWIGRVIPNNGGTSY 60
Db 20 EVLQQSGPELVKPGASVKISKASGYFTDNDWVQSHGKSLWIGYIYPNNGGTGY 79
QY 61 NQKFKGKAILTVDKSSSTAYMELSLTSDSVAIVYCARAGRIYV----WGHGTTLTVSS 114
Db 80 NQKFKSKATLTVDKSSSTAYMELSLTSDSVAIVYCARAGRIYVWQSGTLTVTSA 137

RESULT 4
US-08-438-562-3
Sequence 3, Application US/08438562
Patent No. 5874255

GENERAL INFORMATION:
APPLICANT: NAKAMURA, KAZUYASU
APPLICANT: KOIKE, MASAMICHI
APPLICANT: SHITARA, KENYA
APPLICANT: HANAI, NOBUO
APPLICANT: KAWANA, YOSHIHISA
APPLICANT: HASEGAWA, MAMORU
TITLE OF INVENTION: HUMANIZED ANTIBODIES
NUMBER OF SEQUENCES: 49
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHUYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/438.562
FILING DATE: 10-MAY-95
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/116,778
FILING DATE: 07-SEP-93
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARY J.
REGISTRATION NUMBER: 32,955
REFERENCE/DOCKET NUMBER: 249-76
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)816-4000
TELEFAX: (703)816-4100
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 137 amino acids
TYPE: amino acids
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: sig peptide
LOCATION: -19..-1

IDENTIFICATION METHOD: BY SIMILARITY
IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
IDENTIFICATION METHOD: CONSENSUS

FEATURE:
NAME/KEY: domain
LOCATION: 31..35
IDENTIFICATION METHOD: BY SIMILARITY
IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
IDENTIFICATION METHOD: CONSENSUS
OTHER INFORMATION: /product= "HYPERVARIABLE REGION 1"
FEATURE:
NAME/KEY: domain
LOCATION: 55..66
IDENTIFICATION METHOD: BY SIMILARITY
IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
IDENTIFICATION METHOD: CONSENSUS
OTHER INFORMATION: /product= "HYPERVARIABLE REGION 2"
FEATURE:
NAME/KEY: domain
LOCATION: 99..107
IDENTIFICATION METHOD: BY SIMILARITY
IDENTIFICATION METHOD: WITH KNOWN SEQUENCE OR TO AN ESTABLISHED
IDENTIFICATION METHOD: CONSENSUS
OTHER INFORMATION: /product= "HYPERVARIABLE REGION 3"
US-08-438-562-3

Query Match 80.0%; Score 488; DB 2; Length 137;
Best Local Similarity 79.7%; Pred. No. 3.7e-40;
Matches 94; Conservative 7; Mismatches 13; Indels 4; Gaps 1;
QY 1 EVLQQSGPDLVKPGASVKISKASGYSTGYIHWKQSHGKSLWIGRVIPNNGGTSY 60
Db 20 EVLQQSGPELVKPGASVKISKASGYFTDNDWVQSHGKSLWIGYIYPNNGGTGY 79
QY 61 NQKFKGKAILTVDKSSSTAYMELSLTSDSVAIVYCARAGRIYV----WGHGTTLTVSS 114
Db 80 NQKFKSKATLTVDKSSSTAYMELSLTSDSVAIVYCARAGRIYVWQSGTLTVTSA 137

RESULT 5
US-08-483-528B-93
Sequence 93, Application US/08483528B
Patent No. 5939532
GENERAL INFORMATION:
APPLICANT: NAKAMURA, KAZUYASU
APPLICANT: KOIKE, MASAMICHI
APPLICANT: SHITARA, KENYA
APPLICANT: HANAI, NOBUO
APPLICANT: KAWANA, YOSHIHISA
APPLICANT: HASEGAWA, MAMORU
TITLE OF INVENTION: HUMANIZED ANTIBODIES
NUMBER OF SEQUENCES: 103
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHUYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/483,528B
FILING DATE: 07-JUN-95
CLASSIFICATION: 536
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703)816-4000
TELEFAX: (703)816-4100
INFORMATION FOR SEQ ID NO: 93:
SEQUENCE CHARACTERISTICS:

DB	61	NQKPKGKATLV	DKSSSTAFVHLSLTSDSAVYV	CARGGEGYFDYWGQGTTLTVSS	118
<p>RESULT 9</p> <p>US-09-647-468-140</p> <p>; Sequence 140, Application US/09647468</p> <p>; Patent No. 6677436</p> <p>; GENERAL INFORMATION:</p> <p>; APPLICANT: SATO, KOH</p> <p>; APPLICANT: ADACHI, HIDEKI</p> <p>; APPLICANT: YABUTA, NAHIRO</p> <p>; TITLE OF INVENTION: HUMANIZED ANTIBODY AGAINST HUMAN TISSUE FACTOR (TF) AND ANTIBODY</p> <p>; FILE REFERENCE: 053466/0289</p> <p>; CURRENT APPLICATION NUMBER: US/09/647,468</p> <p>; CURRENT FILING DATE: 2000-09-29</p> <p>; PRIOR APPLICATION NUMBER: PCT/JP99/01768</p> <p>; PRIOR FILING DATE: 1999-04-02</p> <p>; PRIOR APPLICATION NUMBER: JP 10-91850</p> <p>; PRIOR FILING DATE: 1998-04-03</p> <p>; NUMBER OF SEQ ID NOS: 183</p> <p>; SOFTWARE: PatentIn Ver. 2.1</p> <p>; SEQ ID NO 140</p> <p>; LENGTH: 118</p> <p>; TYPE: PRT</p> <p>; ORGANISM: Mus sp.</p> <p>; FEATURE:</p> <p>; OTHER INFORMATION: Amino acid sequence of H chain V region of anti-TF</p> <p>; OTHER INFORMATION: mouse monoclonal antibody ATR-3</p> <p>US-09-647-468-140</p>					
QY	1	EVQLQSGPDLV	KPGASVKISCKASGYSTGYIHWVK	QSHGKSLEWIGRVIPNNGGTSY	60
DB	1	EVQLQSGPDLV	KPGASVKISCKASGYSTGYIHWVK	QSHGKSLEWIGRVIPNNGGTSY	60
QY	61	NQKPKGKATLV	DKSSSTAFVHLSLTSDSAVYV	CARGGEGYFDYWGQGTTLTVSS	114
DB	61	NQKPKGKATLV	DKSSSTAFVHLSLTSDSAVYV	CARGGEGYFDYWGQGTTLTVSS	118
<p>RESULT 10</p> <p>US-09-647-468-153</p> <p>; Sequence 153, Application US/09647468</p> <p>; Patent No. 6677436</p> <p>; GENERAL INFORMATION:</p> <p>; APPLICANT: SATO, KOH</p> <p>; APPLICANT: ADACHI, HIDEKI</p> <p>; APPLICANT: YABUTA, NAHIRO</p> <p>; TITLE OF INVENTION: HUMANIZED ANTIBODY AGAINST HUMAN TISSUE FACTOR (TF) AND ANTIBODY</p> <p>; FILE REFERENCE: 053466/0289</p> <p>; CURRENT APPLICATION NUMBER: US/09/647,468</p> <p>; CURRENT FILING DATE: 2000-09-29</p> <p>; PRIOR APPLICATION NUMBER: PCT/JP99/01768</p> <p>; PRIOR FILING DATE: 1999-04-02</p> <p>; PRIOR APPLICATION NUMBER: JP 10-91850</p> <p>; PRIOR FILING DATE: 1998-04-03</p> <p>; NUMBER OF SEQ ID NOS: 183</p> <p>; SOFTWARE: PatentIn Ver. 2.1</p> <p>; SEQ ID NO 153</p> <p>; LENGTH: 137</p> <p>; TYPE: PRT</p> <p>; ORGANISM: Mus sp.</p> <p>; FEATURE:</p> <p>; OTHER INFORMATION: Description of Artificial Sequence: Amino acid</p> <p>; OTHER INFORMATION: sequence coding for H chain V region of ant-TF</p> <p>; OTHER INFORMATION: mouse monoclonal antibody ATR-2</p> <p>US-09-647-468-153</p>					
QY	1	EVQLQSGPDLV	KPGASVKISCKASGYSTGYIHWVK	QSHGKSLEWIGRVIPNNGGTSY	60
DB	1	EVQLQSGPDLV	KPGASVKISCKASGYSTGYIHWVK	QSHGKSLEWIGRVIPNNGGTSY	60
QY	61	NQKPKGKATLV	DKSSSTAFVHLSLTSDSAVYV	CARGGEGYFDYWGQGTTLTVSS	114
DB	61	NQKPKGKATLV	DKSSSTAFVHLSLTSDSAVYV	CARGGEGYFDYWGQGTTLTVSS	118
<p>Query Match 79.8%; Score 487; DB 4; Length 118;</p> <p>Best Local Similarity 80.5%; Pred. No. 3.9e-40;</p> <p>Matches 95; Conservative 8; Mismatches 11; Indels 4; Gaps 2;</p>					
QY	1	EVQLQSGPDLV	KPGASVKISCKASGYSTGYIHWVK	QSHGKSLEWIGRVIPNNGGTSY	60
DB	1	EVQLQSGPDLV	KPGASVKISCKASGYSTGYIHWVK	QSHGKSLEWIGRVIPNNGGTSY	60
QY	61	NQKPKGKATLV	DKSSSTAFVHLSLTSDSAVYV	CARGGEGYFDYWGQGTTLTVSS	114
DB	61	NQKPKGKATLV	DKSSSTAFVHLSLTSDSAVYV	CARGGEGYFDYWGQGTTLTVSS	118
<p>Query Match 79.8%; Score 487; DB 4; Length 118;</p> <p>Best Local Similarity 80.5%; Pred. No. 3.9e-40;</p> <p>Matches 95; Conservative 8; Mismatches 11; Indels 4; Gaps 2;</p>					
QY	1	EVQLQSGPDLV	KPGASVKISCKASGYSTGYIHWVK	QSHGKSLEWIGRVIPNNGGTSY	60
DB	1	EVQLQSGPDLV	KPGASVKISCKASGYSTGYIHWVK	QSHGKSLEWIGRVIPNNGGTSY	60
QY	61	NQKPKGKATLV	DKSSSTAFVHLSLTSDSAVYV	CARGGEGYFDYWGQGTTLTVSS	114
DB	61	NQKPKGKATLV	DKSSSTAFVHLSLTSDSAVYV	CARGGEGYFDYWGQGTTLTVSS	118
<p>Query Match 79.8%; Score 487; DB 4; Length 118;</p> <p>Best Local Similarity 80.5%; Pred. No. 3.9e-40;</p> <p>Matches 95; Conservative 8; Mismatches 11; Indels 4; Gaps 2;</p>					
QY	1	EVQLQSGPDLV	KPGASVKISCKASGYSTGYIHWVK	QSHGKSLEWIGRVIPNNGGTSY	60
DB	1	EVQLQSGPDLV	KPGASVKISCKASGYSTGYIHWVK	QSHGKSLEWIGRVIPNNGGTSY	60
QY	61	NQKPKGKATLV	DKSSSTAFVHLSLTSDSAVYV	CARGGEGYFDYWGQGTTLTVSS	114
DB	61	NQKPKGKATLV	DKSSSTAFVHLSLTSDSAVYV	CARGGEGYFDYWGQGTTLTVSS	118
<p>Query Match 79.8%; Score 487; DB 4; Length 118;</p> <p>Best Local Similarity 80.5%; Pred. No. 3.9e-40;</p> <p>Matches 95; Conservative 8; Mismatches 11; Indels 4; Gaps 2;</p>					
QY	1	EVQLQSGPDLV	KPGASVKISCKASGYSTGYIHWVK	QSHGKSLEWIGRVIPNNGGTSY	60
DB	1	EVQLQSGPDLV	KPGASVKISCKASGYSTGYIHWVK	QSHGKSLEWIGRVIPNNGGTSY	60
QY	61	NQKPKGKATLV	DKSSSTAFVHLSLTSDSAVYV	CARGGEGYFDYWGQGTTLTVSS	114
DB	61	NQKPKGKATLV	DKSSSTAFVHLSLTSDSAVYV	CARGGEGYFDYWGQGTTLTVSS	118

```
Query Match          79.8%; Score 487; DB 4; Length 137;
Best Local Similarity 80.5%; Pred. No. 4.6e-40;
Matches 95; Conservative 8; Mismatches 11; Indels 4; Gaps 2;

QY 1 EVLOQSGPDLVKPGASVKISCKASGYSFTGYIHWKQSHGKSLWIGRVIPNNGGTSY 60
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Db 20 EIQLQSGPELVKPGASVKISCKASGYSFTDYNMVKQSHGKSLWIGVIDPYNGGTIY 79
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 61 NQKFKGKAILTVDKSSSTAYMELRLSTSDSAVYYCAR--EGYI--WWGHGTTLTVSS 114
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 80 NQKFKGKAILTVDKSSSTAFMHLNLSLTSDSAVYYCARGEGYFYDYWGQGTTLTVSS 137
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 11
US-09-647-468-154
; Sequence 154, Application US/09647468
; Patent No. 6677436
; GENERAL INFORMATION:
; APPLICANT: SATO, KOH
; APPLICANT: ADACHI, HIDEKI
; APPLICANT: YABUTA, NAOKIRO
; TITLE OF INVENTION: HUMANIZED ANTIBODY AGAINST HUMAN TISSUE FACTOR (TF) AND
; FILE REFERENCE: PROCESS OF PRODUCTION OF THE HUMANIZED ANTIBODY
; CURRENT APPLICATION NUMBER: US/09/647,468
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: PCT/JP99/01768
; PRIOR FILING DATE: 1999-04-02
; PRIOR APPLICATION NUMBER: JP 10-91850
; PRIOR FILING DATE: 1998-04-03
; NUMBER OF SEQ ID NOS: 183
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 154
; LENGTH: 137
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Amino acid
; OTHER INFORMATION: sequence coding for H chain V region of ant-TF
; OTHER INFORMATION: mouse monoclonal antibody ATR-3
US-09-647-468-154

Query Match          79.8%; Score 487; DB 4; Length 137;
Best Local Similarity 80.5%; Pred. No. 4.6e-40;
Matches 95; Conservative 8; Mismatches 11; Indels 4; Gaps 2;

QY 1 EVLOQSGPDLVKPGASVKISCKASGYSFTGYIHWKQSHGKSLWIGRVIPNNGGTSY 60
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 20 EIQLQSGPELVKPGASVKISCKASGYSFTDYNMVKQSHGKSLWIGVIDPYNGGTIY 79
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
QY 61 NQKFKGKAILTVDKSSSTAYMELRLSTSDSAVYYCAR--EGYI--WWGHGTTLTVSS 114
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 80 NQKFKGKAILTVDKSSSTAFMHLNLSLTSDSAVYYCARGEGYFYDYWGQGTTLTVSS 137
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

RESULT 12
US-08-202-047-21
; Sequence 21, Application US/08202047
; Patent No. 580815
; GENERAL INFORMATION:
; APPLICANT: CHESNUT, Robert W.
; APPLICANT: POLLEY, Margaret J.
; APPLICANT: PAULSON, James C.
; APPLICANT: JONES, S. Tarran
; APPLICANT: SALDANHA, Jose W.
; APPLICANT: BENDIG, Mary M.
; TITLE OF INVENTION: Antibodies to P-Selectin and Their Uses
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
```

```
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/202,047
FILING DATE: 25-FEB-1994
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Smith, William M.
REGISTRATION NUMBER: 30,223
REFERENCE/DOCKET NUMBER: 14137-77
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 128 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
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LOCATION: 1..128
OTHER INFORMATION: /label= MOUSE_IIA
US-08-202-047-21

Query Match          79.5%; Score 485; DB 1; Length 128;
Best Local Similarity 74.2%; Pred. No. 6.6e-40;
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QY 61 NQKFKGKAILTVDKSSSTAYMELRLSTSDSAVYYCAREGIY-----WWGH 106
   |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db 61 NQKFKGKAILTVDKSSSTAYMQLSLTSDSAVYYCARGYSSSYMXAXXYAFDYWGQ 120
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QY 107 GTTLTVSS 114
   |||||:|||||
Db 121 GTTLTVSS 128
   |||||:|||||

RESULT 13
US-08-964-690-21
; Sequence 21, Application US/08964690
; Patent No. 603667
; GENERAL INFORMATION:
; APPLICANT: CHESNUT, Robert W.
; APPLICANT: POLLEY, Margaret J.
; APPLICANT: PAULSON, James C.
; APPLICANT: JONES, S. Tarran
; APPLICANT: SALDANHA, Jose W.
; APPLICANT: BENDIG, Mary M.
; TITLE OF INVENTION: Antibodies to P-Selectin and Their Uses
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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REGISTRATION NUMBER: US 60/016,976
FILING DATE: 06-MAY-1996

TELEFAX: (716) 263-1600
INFORMATION FOR SEQ ID NO: 8:

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; SEQUENCE CHARACTERISTICS:
; LENGTH: 115 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-895-914-8

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Query Match      79.3%; Score 483.5; DB 3; Length 115;
Best Local Similarity 80.9%; Pred. No. 8.2e-40;
Matches 93; Conservative 8; Mismatches 13; Indels 1; Gaps 1;

QY 1 EVQLQSGPDLVKPGASVKISCKASGYSTGYTHHWVKQSHGKSLWIGRVIENNGTSY 60
Db 1 EVQLQSGPDLVKPGTSTVRIISCKTSGYTFEYTHHWVKQSHGKSLWIGNINENGGTTY 60

QY 61 NQKFKGKAILTVDKSSSTAYMELRSLTSEDSAVYVCAREGIY-WWGHGTTLTVSS 114
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Search completed: May 12, 2004, 08:12:43
Job time : 17.1416 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 12, 2004, 08:11:16 ; Search time 15.8584 Seconds
(without alignments)
364.608 Million cell updates/sec

Title: US-09-724-409-2

Perfect score: 587

Sequence: 1 DVVVTQPLSLPVLGQAAS.....CSQTHVFWFGGCKLEIQ 112

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*

- 1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
- 2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
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- 4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	550	93.7	238	2	US-08-392-338A-21
3	550	93.7	238	2	US-08-926-789-12
4	550	93.7	238	3	US-09-166-750-21
5	550	93.7	238	3	US-09-166-750-21
6	550	93.7	238	3	US-09-166-750-21
7	550	93.7	238	3	US-09-166-750-21
8	550	93.7	238	4	US-09-166-750-21
9	550	93.7	238	5	US-09-166-750-21
10	550	93.7	240	2	US-08-392-338A-11
11	550	93.7	240	3	US-09-166-750-11
12	550	93.7	240	3	US-09-166-750-11
13	550	93.7	240	3	US-09-166-750-11
14	550	93.7	240	3	US-09-166-750-11
15	550	93.7	240	3	US-09-166-750-11
16	550	93.7	250	2	US-08-392-338A-15
17	550	93.7	250	3	US-09-166-750-15
18	550	93.7	250	3	US-09-166-750-15
19	550	93.7	250	3	US-09-166-750-15
20	550	93.7	250	3	US-09-166-750-15
21	550	93.7	250	4	US-09-166-750-15
22	550	93.7	253	2	US-08-392-338A-17
23	550	93.7	253	3	US-09-166-750-17
24	550	93.7	253	3	US-09-166-750-17
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26	550	93.7	253	3	US-09-166-750-17
27	550	93.7	253	4	US-09-443-213-17

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32	537	91.5	112	2	US-08-606-293-4
33	534	91.0	246	1	US-08-257-341-7
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36	534	91.0	252	2	US-08-461-864-4
37	534	91.0	367	1	US-08-257-341-5
38	528	89.9	112	2	US-08-606-293-8
39	528	89.9	173	5	PCT-US91-02942-3
40	528	89.9	173	5	PCT-US91-02942-3
41	527	89.8	285	3	US-09-318-661-4
42	527	89.8	285	4	US-09-883-758-4
43	526.5	89.7	127	1	US-08-482-882-45
44	526.5	89.7	127	2	US-08-483-389-45
45	526.5	89.7	127	2	US-08-487-113D-45

ALIGNMENTS

RESULT 1
US-08-224-591-12
; Sequence 12, Application US/08224591
; Patent No. 5856456
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Filpula, David
; TITLE OF INVENTION: Linker For Linked Fusion Polypeptides
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/224,591
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/002,845
; FILING DATE: 15-JAN-1993
; APPLICATION NUMBER: US 07/980,529
; FILING DATE: 20-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0977.1920002/JAG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 238 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-224-591-12

Query Match 93.7%; Score 550; DB 2; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
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RESULT 2
US-08-392-338A-21
; Sequence 21, Application US/08392338A
; Patent No. 5869620
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Wood, James F.
; APPLICANT: Hardman, Karl
; APPLICANT: Bird, Robert
; APPLICANT: Filpula, David
; TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/392,338A
; FILING DATE: 22-FEB-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/989,846
; FILING DATE: 20-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/796,936
; FILING DATE: 25-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0977.0030007
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 238 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-392-338A-21
Query Match 93.7%; Score 550; DB 2; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
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Db 61 SGVDPFRFSGSGGTDFTLKISRVEAEDLGVYFCSTHTHPWTFGGTKLEIK 112
RESULT 3
US-08-926-789-12
; Sequence 12, Application US/08926789

; Patent No. 5990275
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Filpula, David
; TITLE OF INVENTION: Linker For Linked Fusion Polypeptides
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
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; APPLICATION NUMBER: US/08/926,789
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/224,591
; FILING DATE:
; APPLICATION NUMBER: US 08/002,845
; FILING DATE: 15-JAN-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/980,529
; FILING DATE: 20-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0977.1920002/JAG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 238 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-926-789-12
Query Match 93.7%; Score 550; DB 2; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;
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Db 1 DVVMTQTPSLPVSIGDQASISCRSSQSLVHSNGNTYLRWYLOKPGQSPKVIYKVSNR 60
QY 61 SGVDPFRFSGSGGTDFTLKISRVEAEDLGVYFCSTHTHPWTFGGTKLEIQ 112
Db 61 SGVDPFRFSGSGGTDFTLKISRVEAEDLGVYFCSTHTHPWTFGGTKLEIK 112
RESULT 4
US-09-166-750-21
; Sequence 21, Application US/09166750
; Patent No. 6025165
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Wood, James F.
; APPLICANT: Hardman, Karl
; APPLICANT: Bird, Robert
; APPLICANT: Filpula, David
; APPLICANT: Rollence, Michelle
; TITLE OF INVENTION: Methods for Producing Multivalent Antigen-Binding
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, NW
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/166,750
FILING DATE: Herewith

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/392,338
FILING DATE: 22-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/989,846
FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/796,936
FILING DATE: 25-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.003000C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540

INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 238 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-09-166-750-21
Query Match 93.7%; Score 550; DB 3; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

Query Match 93.7%; Score 550; DB 3; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

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Db 1 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSNGNTFLHWYLRQPGSPKLLIYTVSNRF 60
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Db 61 SGVDFRSGSGGDTFTLKISRVEAEDLGVYFCSQSTHVPWTFGGTKLEIK 112

RESULT 5
US-09-166-093-21
Sequence 21, Application US/09166093
Patent No. 6027725
GENERAL INFORMATION:
APPLICANT: Whitlow, Marc
APPLICANT: Wood, James F.
APPLICANT: Hardman, Karl
APPLICANT: Bird, Robert
APPLICANT: Filpula, David
APPLICANT: Rollence, Michelle
TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, NW
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/166,093
FILING DATE: Herewith

CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/392,338
FILING DATE: 22-FEB-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/989,846
FILING DATE: 20-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/796,936
FILING DATE: 25-NOV-1991
ATTORNEY/AGENT INFORMATION:
NAME: Goldstein, Jorge A.
REGISTRATION NUMBER: 29,021
REFERENCE/DOCKET NUMBER: 0977.003000B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540

INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 238 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-09-166-093-21
Query Match 93.7%; Score 550; DB 3; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

Query Match 93.7%; Score 550; DB 3; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 1 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSNGNTFLHWYLRQPGSPKLLIYTVSNRF 60
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Db 61 SGVDFRSGSGGDTFTLKISRVEAEDLGVYFCSQSTHVPWTFGGTKLEIK 112

RESULT 6
US-09-172-019-21
Sequence 21, Application US/09172019
Patent No. 6103889
GENERAL INFORMATION:
APPLICANT: Whitlow, Marc
APPLICANT: Hardman, Karl
APPLICANT: Bird, Robert
APPLICANT: Filpula, David
TITLE OF INVENTION: Nucleic Acid Molecules Encoding Single-Chain
Antigen-Binding Proteins (As Amended)
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, NW
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
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FILING DATE: Herewith
CLASSIFICATION:

/ PRIOR APPLICATION DATA: US 08/392,338
 / APPLICATION NUMBER: US 08/392,338
 / FILING DATE: 22-FEB-1995
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: US 07/989,846
 / FILING DATE: 20-NOV-1992
 / PRIOR APPLICATION DATA:
 / APPLICATION NUMBER: US 07/796,936
 / FILING DATE: 25-NOV-1991
 / ATTORNEY/AGENT INFORMATION:
 / NAME: Goldstein, Jorge A.
 / REGISTRATION NUMBER: 29,021
 / REFERENCE/DOCKET NUMBER: 0977.003000D
 / TELECOMMUNICATION INFORMATION:
 / TELEPHONE: (202) 371-2600
 / TELEFAX: (202) 371-2540
 / INFORMATION FOR SEQ ID NO: 21:
 / SEQUENCE CHARACTERISTICS:
 / LENGTH: 238 amino acids
 / TYPE: amino acid
 / TOPOLOGY: linear
 / MOLECULE TYPE: protein
 / US-09-172-019-21

Query Match 93.7%; Score 550; DB 3; Length 239;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels

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RESULT 7

US-09-166-094-21
; Sequence 21, Application US/09166094
; Patent No. 6121424

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ADDRESS: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, NW
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005

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/ PRIOR APPLICATION DATA: US 08/392,338
 / APPLICATION NUMBER: 22-FEB-1995
 / FILING DATE: 20-NOV-1992
 / PRIOR APPLICATION DATA: US 07/989,846
 / APPLICATION NUMBER: 20-NOV-1992
 / FILING DATE:

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, APPLICATION NUMBER: US 07/796,936
, FILING DATE: 25-NOV-1991
, ATTORNEY/AGENT INFORMATION:
, NAME: Goldstein, Jorge A.
, REGISTRATION NUMBER: 29,021
, REFERENCE/DOCKET NUMBER: 0977.003000A
, TELECOMMUNICATION INFORMATION:
, TELEPHONE: (202) 371-2600
, TELEFAX: (202) 371-2540
, INFORMATION FOR SEQ ID NO: 21:
, SEQUENCE CHARACTERISTICS:
, LENGTH: 238 amino acids
, TYPE: amino acid
, TOPOLOGY: linear
, MOLECULE TYPE: protein
US-09-166-094-21

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Query Match 93.7%; Score 550; DB 3; Length 238;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels

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Db	61	SGVPRDFSGSGSDPTFLKISRVEAEDLGVYFCSQTHVPWTFGGTKLEIK	112

RESULT 8

US-09-443-213-21
; Sequence 21, Application US/09443213
; Patent No. 6515110

GENERAL INFORMATION:

APPLICANT: Whitlow, Marc
APPLICANT: Wood, James F.
APPLICANT: Hardman, Karl
APPLICANT: Bird, Robert
APPLICANT: Filpula, David
APPLICANT: Rollence, Michelle
TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
STREET: 1100 New York Avenue, NW
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005

MIFF: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/443,213
FILING DATE: Herewith

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: CLASSIFICATION:
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: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 09/166,094
: FILING DATE: 05-OCT-1998
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/392,338
: FILING DATE: 22-FEB-1995
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/989,846
: FILING DATE: 20-NOV-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/796,936
: FILING DATE: 25-NOV-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: Goldstein, Jorge A.
:

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QY 1 DVVVTQTFLSLPVSILGAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
Db 1 DVVMTQTFLSLPVSILGDAQASISCRSSQSLVHSGNTFLRWYLOKPGQSPKLLIYKVS NRF 60
QY 61 SGVPRDFSGSGSGTDFTLKISRVEAEDLGVYFCQSQTTHVPWTFGGTKLEIQ 112
Db 61 SGVPRDFSGSGSGTDFTLKISRVEAEDLGVYFCQSQTTHVPWTFGGTKLEIK 112

RESULT 10
US-08-392-338A-11
; Sequence 11, Application US/08392338A
; Patent No. 5869620
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Wood, James F.
; APPLICANT: Hardman, Karl
; APPLICANT: Bird, Robert
; APPLICANT: Filpula, David
; TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESS: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/392,338A
; APPLICATION NUMBER: US/08/392,338A
; FILING DATE: 22-FEB-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/989,846
; FILING DATE: 20-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/796,936
; FILING DATE: 25-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0977.0030007
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-392-338A-11

Query Match 93.7%; Score 550; DB 2; Length 240;
Best Local Similarity 92.9%; Pred. No. 1.le-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0

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Db 1 DVVMTQTFLSLPVSILGDAQASISCRSSQSLVHSGNTFLRWYLOKPGQSPKLLIYKVS NRF 60
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Db 61 SGVPRDFSGSGSGTDFTLKISRVEAEDLGVYFCQSQTTHVPWTFGGTKLEIK 112

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US-09-166-750-11
; Sequence 11, Application US/09166750
; Patent No. 6025165
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Wood, James F.
; APPLICANT: Hardman, Karl
; APPLICANT: Bird, Robert
; APPLICANT: Filpula, David
; APPLICANT: Röllence, Michelle
; TITLE OF INVENTION: Methods for Producing Multivalent Antigen-Binding
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/166,750
; FILING DATE: Herewith
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; APPLICATION NUMBER: US 08/392,338
; FILING DATE: 22-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/166,750
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/796,936
; FILING DATE: 25-FEB-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/989,846
; FILING DATE: 20-NOV-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0977.003000C
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-166-750-11

Query Match 93.7%; Score 550; DB 3; Length 240;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

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QY 61 SGVPRFRSGSGGTDFTLKISRVEAEDLGVYFCSQTHVPWTFGGGTGLEIQ 112
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RESULT 12
US-09-166-093-11
; Sequence 11, Application US/09166093
; Patent No. 6027725
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Wood, James F.

; APPLICANT: Hardman, Karl
; APPLICANT: Bird, Robert
; APPLICANT: Filpula, David
; APPLICANT: Röllence, Michelle
; TITLE OF INVENTION: Multivalent Antigen-Binding Proteins
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.
; STREET: 1100 New York Avenue, NW
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/166,093
; FILING DATE: Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/392,338
; FILING DATE: 22-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/989,846
; FILING DATE: 20-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/796,936
; FILING DATE: 25-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0977.003000B
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-166-093-11

Query Match 93.7%; Score 550; DB 3; Length 240;
Best Local Similarity 92.9%; Pred. No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

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QY 61 SGVPRFRSGSGGTDFTLKISRVEAEDLGVYFCSQTHVPWTFGGGTGLEIQ 112
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RESULT 13
US-09-172-019-11
; Sequence 11, Application US/09172019
; Patent No. 6103889
; GENERAL INFORMATION:
; APPLICANT: Whitlow, Marc
; APPLICANT: Hardman, Karl
; APPLICANT: Bird, Robert
; APPLICANT: Filpula, David
; TITLE OF INVENTION: Nucleic Acid Molecules Encoding Single-Chain
; TITLE OF INVENTION: Antigen-Binding Proteins (As Amended)
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein & Fox P.L.L.C.


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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/166,094
; FILING DATE: 05-OCT-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/392,338
; FILING DATE: 22-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/989,846
; FILING DATE: 20-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/796,936
; FILING DATE: 25-NOV-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0977.003000E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2540
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 240 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-443-213-11

Query Match          93.7%; Score 550; DB 4; Length 240;
Best Local Similarity 92.9%; Pred No. 1.1e-48;
Matches 104; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

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QY     61 SGVDPDRFSGSGGTDFTLKISRVEADLGVYFCSTHTHPWTFGGTTKLEIQ 112
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Search completed: May 12, 2004, 08:12:42
Job time : 16.8584 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 12, 2004, 08:11:16 ; Search time 297.841 Seconds
(without alignments)
104.376 Million cell updates/sec

Title: US-09-724-409-2

Perfect score: 587

Sequence: 1 DVVVTQTPSLPVLVSLGQAS.....CSQTHVPWTFGGTKLEIQ 112

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1140673 seqs, 277566755 residues

Total number of hits satisfying chosen parameters: 1140673

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB.pep.*
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- 10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep.*
- 11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/1/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/1/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	552	94.0	139	12	US-10-372-481-29
2	552	94.0	139	15	US-10-371-797-29
3	545	92.8	507	12	US-10-239-656-47
4	545	92.8	510	12	US-10-239-656-48
5	545	92.8	510	12	US-10-239-656-49
6	541	92.2	112	10	US-09-518-737-4
7	534	91.0	252	9	US-09-887-853-4
8	532	90.6	112	10	US-09-995-529-10
9	527	89.8	131	12	US-10-257-864A-85
10	527	89.8	131	12	US-10-257-864A-87
11	527	89.8	131	12	US-10-221-131-90
12	527	89.8	131	12	US-10-221-131-92
13	527	89.8	131	14	US-10-138-505-6
14	527	89.8	131	14	US-10-138-505-10
15	527	89.8	245	12	US-10-257-864A-95

16	527	89.8	245	12	US-10-221-131-100
17	527	89.8	245	14	US-10-138-505-40
18	527	89.8	256	12	US-10-257-864A-97
19	527	89.8	256	12	US-10-257-864A-98
20	527	89.8	256	12	US-10-221-131-102
21	527	89.8	256	12	US-10-221-131-103
22	527	89.8	271	12	US-10-257-864A-91
23	527	89.8	271	12	US-10-257-864A-93
24	527	89.8	271	12	US-10-221-131-95
25	527	89.8	271	12	US-10-221-131-96
26	527	89.8	271	12	US-10-138-505-30
27	527	89.8	271	14	US-10-138-505-34
28	527	89.8	271	14	US-10-138-505-34
29	527	89.8	274	12	US-10-257-864A-90
30	527	89.8	274	12	US-10-257-864A-92
31	527	89.8	274	12	US-10-221-131-97
32	527	89.8	274	14	US-10-138-505-26
33	527	89.8	274	14	US-10-138-505-32
34	527	89.8	285	9	US-09-883-758-4
35	527	89.8	533	12	US-10-257-864A-96
36	527	89.8	533	12	US-10-221-131-101
37	526.5	89.7	127	9	US-09-753-436-45
38	526.5	89.7	127	14	US-10-163-942-45
39	526	89.6	149	9	US-09-990-205-2
40	526	89.6	263	14	US-10-153-401-66
41	524	89.3	149	14	US-10-153-401-2
42	523	89.1	112	14	US-10-153-401-15
43	520	88.6	131	10	US-09-726-258-35
44	520	88.6	242	10	US-09-726-258-42
45	519.5	88.5	113	16	US-10-468-370-689

ALIGNMENTS

RESULT 1
US-10-372-481-29
; Sequence 29, Application US/10372481
; Publication No. US20030202975A1
; GENERAL INFORMATION:
; APPLICANT: Tedder, Thomas F.
; TITLE OF INVENTION: REAGENTS AND TREATMENT METHODS FOR AUTOIMMUNE DISEASES
; FILE REFERENCE: 5405.306
; CURRENT APPLICATION NUMBER: US/10372.481
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: PCT/US03/05549
; PRIOR FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 60/420,472
; PRIOR FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: US 60/359,419
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 29
; LENGTH: 139
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-372-481-29

Query Match 94.0%; Score 552; DB 12; Length 139;
Best Local Similarity 93.8%; Pred. No. 3.9e-47;
Matches 105; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

Qy	1	DVVVTQTPSLPVLVSLGQASISCRSSQSLVHSGNFTLHWYLOKPGSPKLLIYTVSNRF 60
Db	20	DVVVTQTPSLPVLVSLGQASISCRSSQSLVHSGNFTLHWYLOKPGSPKLLIYTVSNRF 79
Qy	61	SGVDPDRFSGSGGTDFTLKISRVEADLGVYFCSTHVPWTFGGTKLEIQ 112
Db	80	SGVDPDRFSGSGGTDFTLKISRVEADLGVYFCSTHVPWTFGGTKLEIK 131

RESULT 2

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US-10-371-797-29
; Sequence 29, Application US/10371797
; Publication No. US20040001828A1
; GENERAL INFORMATION:
; APPLICANT: THE REGENTS OF THE UNIVERSITY OF CALIFORNIA
; APPLICANT: TUSCANO, Joseph
; APPLICANT: TEDDER, Thomas
; TITLE OF INVENTION: TREATMENT METHODS USING ANTI-CD22
; TITLE OF INVENTION: ANTIBODIES
; FILE REFERENCE: 39754-0951
; CURRENT APPLICATION NUMBER: US/10/371,797
; PRIOR FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: US 60/420,472
; PRIOR FILING DATE: 2002-10-21
; PRIOR APPLICATION NUMBER: US 60/359,419
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 139
; TYPE: PRT
; ORGANISM: homo sapiens
; US-10-371-797-29

Query Match          94.0%; Score 552; DB 15; Length 139;
Best Local Similarity 93.8%; Pred. No. 3.9e-47;
Matches 105; Conservative 5; Mismatches 2; Indels 0; Gaps 0;

QY 1 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSGNNTFLHWYLOKPGQSPKLLIYTVSNRF 60
Db 20 DVVVTQPLSLPVSLGQAQASISCRSSQSLVHSGNNTFLHWYLOKPGQSPKLLIYTVSNRF 60
QY 61 SGVPDRFSGSGGTDFTLKISRVEAEDLGVPFCSTQTHVPTFGGKLEIQ 112
Db 80 SGVPDRFSGSGGTDFTLKISRVEAEDLGVPFCSTQTHVPTFGGKLEIK 131

RESULT 3
US-10-239-656-47
; Sequence 47, Application US/10239656
; Publication No. US20040038339A1
; GENERAL INFORMATION:
; APPLICANT: KUFER, PETER
; APPLICANT: RIETHMULLER, GERT
; APPLICANT: LUTTERBUSE, RALF
; APPLICANT: BORSCHERT, KATRIN
; APPLICANT: KISCHEL, ROMAN
; APPLICANT: MAYER, MONIKA
; APPLICANT: HOFMEISTER, ROBERT
; TITLE OF INVENTION: MULTIFUNCTIONAL POLYPEPTIDES COMPRISING A BINDING SITE
; FILE REFERENCE: 029976/0106
; CURRENT APPLICATION NUMBER: US/10/239,656
; CURRENT FILING DATE: 2003-03-06
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: EP 00106467.4
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 47
; LENGTH: 507
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic 11B2D10x4-
; OTHER INFORMATION: 7 bispecific single chain Fv
US-10-239-656-47

Query Match          92.8%; Score 545; DB 12; Length 507;
Best Local Similarity 92.0%; Pred. No. 8.1e-46;
Matches 103; Conservative 7; Mismatches 2; Indels 0; Gaps 0;

US-10-239-656-47
; Sequence 49, Application US/10239656
; Publication No. US20040038339A1
; GENERAL INFORMATION:
; APPLICANT: KUFER, PETER
; APPLICANT: RIETHMULLER, GERT
; APPLICANT: LUTTERBUSE, RALF
; APPLICANT: BORSCHERT, KATRIN
; APPLICANT: KISCHEL, ROMAN
; APPLICANT: MAYER, MONIKA
; APPLICANT: HOFMEISTER, ROBERT
; TITLE OF INVENTION: MULTIFUNCTIONAL POLYPEPTIDES COMPRISING A BINDING SITE
; FILE REFERENCE: 029976/0106
; CURRENT APPLICATION NUMBER: US/10/239,656
; CURRENT FILING DATE: 2003-03-06
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: EP 00106467.4
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 49
; LENGTH: 510
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic 8G7C10x4-
; OTHER INFORMATION: 7 bispecific single chain Fv
US-10-239-656-48

Query Match          92.8%; Score 545; DB 12; Length 510;
Best Local Similarity 92.0%; Pred. No. 8.1e-46;
Matches 103; Conservative 7; Mismatches 2; Indels 0; Gaps 0;

US-10-239-656-48
; Sequence 49, Application US/10239656
; Publication No. US20040038339A1
; GENERAL INFORMATION:
; APPLICANT: KUFER, PETER
; APPLICANT: RIETHMULLER, GERT
; APPLICANT: LUTTERBUSE, RALF
; APPLICANT: BORSCHERT, KATRIN
; APPLICANT: KISCHEL, ROMAN
; APPLICANT: MAYER, MONIKA
; APPLICANT: HOFMEISTER, ROBERT
; TITLE OF INVENTION: MULTIFUNCTIONAL POLYPEPTIDES COMPRISING A BINDING SITE
; FILE REFERENCE: 029976/0106
; CURRENT APPLICATION NUMBER: US/10/239,656
; CURRENT FILING DATE: 2003-03-06
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: EP 00106467.4
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 48
; LENGTH: 510
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic 8G7C10x4-
; OTHER INFORMATION: 7 bispecific single chain Fv
US-10-239-656-48

Query Match          92.8%; Score 545; DB 12; Length 510;
Best Local Similarity 92.0%; Pred. No. 8.1e-46;
Matches 103; Conservative 7; Mismatches 2; Indels 0; Gaps 0;

US-10-239-656-48
; Sequence 49, Application US/10239656
; Publication No. US20040038339A1
; GENERAL INFORMATION:
; APPLICANT: KUFER, PETER
; APPLICANT: RIETHMULLER, GERT
; APPLICANT: LUTTERBUSE, RALF
; APPLICANT: BORSCHERT, KATRIN
; APPLICANT: KISCHEL, ROMAN
; APPLICANT: MAYER, MONIKA
; APPLICANT: HOFMEISTER, ROBERT
; TITLE OF INVENTION: MULTIFUNCTIONAL POLYPEPTIDES COMPRISING A BINDING SITE
; FILE REFERENCE: 029976/0106
; CURRENT APPLICATION NUMBER: US/10/239,656
; CURRENT FILING DATE: 2003-03-06
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: EP 00106467.4
; NUMBER OF SEQ ID NOS: 92
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; OTHER INFORMATION: 7 bispecific single chain Fv
US-10-239-656-48

Query Match          92.8%; Score 545; DB 12; Length 510;
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Matches 103; Conservative 7; Mismatches 2; Indels 0; Gaps 0;

US-10-239-656-48
; Sequence 49, Application US/10239656
; Publication No. US20040038339A1
; GENERAL INFORMATION:
; APPLICANT: KUFER, PETER
; APPLICANT: RIETHMULLER, GERT
; APPLICANT: LUTTERBUSE, RALF
; APPLICANT: BORSCHERT, KATRIN
; APPLICANT: KISCHEL, ROMAN
; APPLICANT: MAYER, MONIKA
; APPLICANT: HOFMEISTER, ROBERT
; TITLE OF INVENTION: MULTIFUNCTIONAL POLYPEPTIDES COMPRISING A BINDING SITE
; FILE REFERENCE: 029976/0106
; CURRENT APPLICATION NUMBER: US/10/239,656
; CURRENT FILING DATE: 2003-03-06
; PRIOR FILING DATE: 2001-03-26
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; OTHER INFORMATION: 7 bispecific single chain Fv
US-10-239-656-48

Query Match          92.8%; Score 545; DB 12; Length 507;
Best Local Similarity 92.0%; Pred. No. 8.1e-46;
Matches 103; Conservative 7; Mismatches 2; Indels 0; Gaps 0;

US-10-239-656-47
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; Publication No. US20040038339A1
; GENERAL INFORMATION:
; APPLICANT: KUFER, PETER
; APPLICANT: RIETHMULLER, GERT
; APPLICANT: LUTTERBUSE, RALF
; APPLICANT: BORSCHERT, KATRIN
; APPLICANT: KISCHEL, ROMAN
; APPLICANT: MAYER, MONIKA
; APPLICANT: HOFMEISTER, ROBERT
; TITLE OF INVENTION: MULTIFUNCTIONAL POLYPEPTIDES COMPRISING A BINDING SITE
; FILE REFERENCE: 029976/0106
; CURRENT APPLICATION NUMBER: US/10/239,656
; CURRENT FILING DATE: 2003-03-06
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: EP 00106467.4
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; SEQ ID NO 47
; LENGTH: 507
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic 11B2D10x4-
; OTHER INFORMATION: 7 bispecific single chain Fv
US-10-239-656-47

Query Match          92.8%; Score 545; DB 12; Length 507;
Best Local Similarity 92.0%; Pred. No. 8.1e-46;
Matches 103; Conservative 7; Mismatches 2; Indels 0; Gaps 0;

US-10-239-656-47
; Sequence 47, Application US/10239656
; Publication No. US20040038339A1
; GENERAL INFORMATION:
; APPLICANT: KUFER, PETER
; APPLICANT: RIETHMULLER, GERT
; APPLICANT: LUTTERBUSE, RALF
; APPLICANT: BORSCHERT, KATRIN
; APPLICANT: KISCHEL, ROMAN
; APPLICANT: MAYER, MONIKA
; APPLICANT: HOFMEISTER, ROBERT
; TITLE OF INVENTION: MULTIFUNCTIONAL POLYPEPTIDES COMPRISING A BINDING SITE
; FILE REFERENCE: 029976/0106
; CURRENT APPLICATION NUMBER: US/10/239,656
; CURRENT FILING DATE: 2003-03-06
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: EP 00106467.4
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic 11B2D10x4-
; OTHER INFORMATION: 7 bispecific single chain Fv
US-10-239-656-47
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; PRIOR FILING DATE: 2000-03-24
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic 6E5A7x4-
; OTHER INFORMATION: 7 bispecific single chain Fv
US-10-239-656-49

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Best Local Similarity 92.0%; Pred. No. 8.1e-46;
Matches 103; Conservative 7; Mismatches 2; Indels 0; Gaps 0;

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Db 387 ELYVTQPLSLPVLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYKVS 446
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QY 61 SGVPDRFSGSGGTDFTLKISRVEADLGVYFCSTHVPWTFGGKLEIQ 112
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 447 SGVPDRFSGSGGTDFTLKISRVEADLGVYFCSTHVPWTFGGKLEIK 498
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RESULT 6
US-09-518-737-4
; Sequence 4, Application US/09518737
; Publication No. US2003008321A1
; GENERAL INFORMATION:
; APPLICANT: FUKUI, YASUHIISA
; APPLICANT: NAGATA, SATOSHI
; APPLICANT: SHIRAI, RYUICHI
; APPLICANT: SAITO, NAOKI
; TITLE OF INVENTION: MONOCLONAL ANTIBODY RECOGNIZING
; FILE OF INVENTION: PHOSPHATIDYLINOSITOL-3,4-DIPHOSPHATE
; FILE REFERENCE: 1965/49618
; CURRENT APPLICATION NUMBER: US/09/518,737
; CURRENT FILING DATE: 2000-03-03
; PRIOR APPLICATION NUMBER: JP 1999-250209
; PRIOR FILING DATE: 1999-09-03
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 4
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-518-737-4

Query Match          92.2%; Score 541; DB 10; Length 112;
Best Local Similarity 92.0%; Pred. No. 3.8e-46;
Matches 103; Conservative 6; Mismatches 3; Indels 0; Gaps 0;

QY 1 DVVVTQPLSLPVLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
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Db 1 DVVVTQPLSLPVLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYKVS 60
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QY 61 SGVPDRFSGSGGTDFTLKISRVEADLGVYFCSTHVPWTFGGKLEIQ 112
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Db 61 SGVPDRFSGSGGTDFTLKISRVEADLGVYFCSTHVPWTFGGKLEIK 112
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RESULT 7
US-09-887-853-4
; Sequence 4, Application US/09887853
; Patent No. US20020168375A1
; GENERAL INFORMATION:
; APPLICANT: Huston, James S.
; APPLICANT: Oppermann, Hermann
; APPLICANT: Houston, L. L.
; APPLICANT: Ring, David B.
; TITLE OF INVENTION: Biosynthetic Binding Proteins For
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; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Testa, Hurwitz & Thibault/Patent Department
; STREET: Exchange Place, 53 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/09/887,853
; FILING DATE: 21-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/133,804
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Kelley, Robin D.
; REGISTRATION NUMBER: 34,637
; REFERENCE/DOCKET NUMBER: 2054/22
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-248-7477
; TELEFAX: 617-248-7100
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 252 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-887-853-4

Query Match          91.0%; Score 534; DB 9; Length 252;
Best Local Similarity 92.0%; Pred. No. 4.6e-45;
Matches 103; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 DVVVTQPLSLPVLGQAQASISCRSSQSLVHSGNTFLHWYLOKPGQSPKLLIYTVSNRF 60
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Db 134 DVVVTQPLSLPVLGQAQASISCRSSQSLVHSGNTFLHWYLOKAGQSPKLLIYKVS 193
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QY 61 SGVPDRFSGSGGTDFTLKISRVEADLGVYFCSTHVPWTFGGKLEIQ 112
   :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 194 SGVPDRFSGSGGTDFTLKISRVEADLGVYFCSTHVPWTFGGKLEIK 245
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RESULT 8
US-09-995-529-10
; Sequence 10, Application US/09995529
; Publication No. US20030099655A1
; GENERAL INFORMATION:
; APPLICANT: Watkins, Jeffrey D.
; APPLICANT: Huse, William D.
; APPLICANT: Tang, Ying
; TITLE OF INVENTION: Humanized Collagen Antibodies and
; FILE OF INVENTION: Related Methods
; FILE REFERENCE: P-IX 4976
; CURRENT APPLICATION NUMBER: US/09/995,529
; CURRENT FILING DATE: 2001-11-26
; NUMBER OF SEQ ID NOS: 358
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 112
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-995-529-10

Query Match          90.6%; Score 532; DB 10; Length 112;
Best Local Similarity 89.3%; Pred. No. 3e-45;
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100

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; PRIOR APPLICATION NUMBER: JP2000-115246
; PRIOR FILING DATE: 2000-04-17
; PRIOR APPLICATION NUMBER: JP2000-321821
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: JP2000-321822
; PRIOR FILING DATE: 2000-10-20
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 95
; LENGTH: 245
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: amino acid sequence encoded by SEQ ID NO: 29
US-10-257-864A-95

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Query Match      89.8%; Score 527; DB 12; Length 245;
Best Local Similarity 90.2%; Pred. No. 2.2e-44;
Matches 101; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

QY      1  DVVVTQTPLSLPVSGLQAQASISCRSSQSLVHNGNTEFLHWYLOKPGQSPKLLIYTVSNRP 60
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Db      134 DVVMTQSPSLSLPVSGLDQASISCRSSQSLVHNGKTYLHWYLOKPGQSPKLLIYKVSNRP 193
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

QY      61  SGVPDRFSGSGGTFTLKIIRVEADLGVYFCSTQTHVPWTFGGTKLEIQ 112
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
Db      194 SGVPDRFSGSGGTFTLMIIRVEADLGVYFCSTQTHVPWTFGGTKLEIK 245
      |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

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Job time : 298.841 secs